



**LYCOMING
COLLEGE**

CATALOG

FOR

1969-1970

WILLIAMSPORT, PENNSYLVANIA

Lycoming is a Christian coeducational
liberal arts and sciences college.
It is open to students of all faiths,
backgrounds and opinions.
It explores all available avenues to truth
and stands firm in the liberal arts
tradition of training the whole person.

LYCOMING COLLEGE

WILLIAMSPORT, PENNSYLVANIA 17701

Catalog for 1969-1970

Announcements for 1970-1971



Table of Contents

	<i>Page</i>		<i>Page</i>
THIS IS LYCOMING			
PURPOSE AND OBJECTIVES	5	PROGRAMS AND RULES	48
LOCALE	6	HEALTH SERVICES	53
HISTORY	6		
TRADITIONS	8	COURSES OF INSTRUCTION	
ACADEMIC PROGRAM		COURSE NUMBERING	55
ADMISSIONS	11	COURSE DESCRIPTION	57
STANDARDS	14	COLLEGE PERSONNEL	
DEGREE PROGRAMS	17	BOARD OF DIRECTORS	93
VOCATIONAL AIMS	23	ADMINISTRATIVE STAFF	95
FINANCIAL INFORMATION		FACULTY	96
EXPENSES	29	ADMINISTRATIVE ASSISTANTS	102
FINANCIAL AID	32	MEDICAL STAFF	103
CAMPUS LIFE		ALUMNI ASSOCIATION	104
RELIGIOUS LIFE	35	HONORARY DEGREES CONFERRED	105
STUDENT ACTIVITIES	35	ACADEMIC CALENDAR	106
MAP OF CAMPUS	40	INDEX	108
COLLEGE HONORS	43	COMMUNICATION WITH THE COLLEGE	110
FACILITIES	44		



THIS IS LYCOMING

Purpose and Objectives

Lycoming College devotes itself to the vocation of humanity: the vocation that enables man to become aware of what it means to love truth, goodness and beauty, by

fostering free inquiry and learning in a curricular experience that provides basic knowledge of the cultural, social and natural world,

developing searching, critical, and creative attitudes of mind by encouraging cultural explorations essential to a free society,

affirming the Christian faith as a valid interpretation of the vocation of humanity,

developing an appreciation for the values of social, mental and physical well-being, and

preparing students for professional and vocational opportunities that may be pursued upon a more humanitarian level because of foundations laid by a strong liberal education.

“Vocation of humanity” suggests that the primary concern of the college is human life and living. We find this concern manifesting itself, in a Christian setting, as an affirmation of the fundamental dignity and worth of all human beings. The entire program of the college is directed toward fulfillment of objectives that seek to fit young men and women for “the living of these days,” in a global society in which the priceless commodity is human life. Lycoming College redefined its educational mission recently by the formulation of the specific objectives above. It now faces the decade ahead with the confidence that man’s best chance for survival lies in wisdom, knowledge, and understanding born of liberal education.

Locale

Lycoming College is situated upon a slight prominence in downtown Williamsport, Pennsylvania, overlooking the beautiful West Branch Valley of the Susquehanna River. Greater Williamsport has a population of nearly seventy-five thousand. Residents consider the college one of Williamsport's finest assets.

Williamsport was once the center of the lumbering industry of the north-eastern United States and, while vestiges of that enterprise remain, today the city is expanding with many widely diversified industries.

The area around Williamsport is known for its lovely mountain scenery and fine outdoor recreational facilities. Yearly thousands are attracted to the woods and crystal-clear streams where hunting and fishing are unsurpassed. The city has two large parks, a municipal golf course, tennis courts and numerous playgrounds. Public education is represented by excellent schools both in the city and in the surrounding townships and boroughs. Cultural opportunities are provided by Lycoming College, the Civic Choir, the Community Arts Festival and the Community Concert Association. Eighty-eight churches, representing a number of denominations, minister to the spiritual needs of the community.

Within America's industrial Northeast, Williamsport is centrally located. It is approximately two hundred miles from the major urban centers of the region: Washington, Baltimore, Philadelphia, New York, Syracuse, Rochester, Buffalo and Pittsburgh. The city is easily accessible by airline, train, bus and automobile. Allegheny Airlines provides daily flights with direct passenger service to virtually all Pennsylvania cities as well as to New York, Buffalo, Boston, Cleveland, Detroit, Hartford, Newport News, and Washington. The Penn Central Railroad offers daily passenger service to Buffalo, Harrisburg, and Washington with connections at Harrisburg to all major cities. Greyhound Bus Lines and Edwards Lakes to Sea System operate daily schedules to all points. U.S. Highways 15 and 220 are routed through the Williamsport area as are State Highways 87, 118, 147, and 287. The new Interstate Highway 80 (the Keystone Shortway) crosses the state just a few miles south of Williamsport.

History

While the specific objectives of the college have varied somewhat with the changing years, its purpose of providing educational opportunities for young men and women has remained consistent throughout the 157 years of its history.

Founded in 1812 as Williamsport Academy, it is the oldest educational institution in the city of Williamsport. At first, the Academy served only the young through what are now recognized as the elementary grades. With



the advent of public schools in the city, the Academy expanded its curricular offerings to include high school and college preparatory work.

In 1848, under the patronage of The Methodist Episcopal Church, the Academy became Williamsport Dickinson Seminary. The Seminary continued as a private boarding school until 1929 when once again its offerings were expanded, this time to include two years of college work. This expansion resulted in a change of the institution's name to Williamsport Dickinson Junior College. During its years as a junior college under President John W. Long, the institution forged a strong academic reputation, strengthened its faculty and expanded its physical plant.

Increasing national demands for higher education following World War II prompted another significant step in the growth of the institution. In 1948, the junior college became Lycoming, a four-year degree-granting college of liberal arts and sciences. It is approved to grant baccalaureate degrees by the Pennsylvania State Department of Education. It is accredited by the Middle States Association of Colleges and Secondary Schools and the University Senate of The United Methodist Church. It is a member of the Pennsylvania Association of Colleges and Universities, the National Association of Schools and Colleges of The United Methodist Church, the Association of American Colleges, and the National Commission on Accrediting.

The name Lycoming is derived from an Indian word "Iacomic" meaning "Great Stream." It is a name that has been common to north central Pennsylvania since colonial times and is an appropriate one for a school whose purpose has been consistently that of educating the area's young men and women. Through fulfillment of its specific objectives, it has been and continues to be an influential voice in the educational, cultural and spiritual development of the entire north central Pennsylvania region.

Traditions

The long history of Lycoming and the attractive geographic setting combine to provide fertile ground for the seeds of enriching expansion, one of the college's major traditions. Alumni nostalgically remember Old Main and other buildings from the past, but what is *most* characteristic of their college is its amazing capacity for growth that continues to meet the demands of our changing society and its evolving culture.

Through more than a century of its history, the college has had the stabilizing influence of The United Methodist Church. The evolution of Lycoming from its origins to its present status has been accomplished with the continuous conviction that a Christian philosophy of life is a proper leaven of higher education. Lycoming fosters a Christian atmosphere in all aspects of the college program and stresses the development and practice of a Christian way of life.

Lycoming College is owned by the Preachers' Aid Society of The Central Pennsylvania Annual Conference of The United Methodist Church. Faculty and students express their religious convictions through membership and participation in nearly thirty Protestant denominations as well as the Roman Catholic and Hebrew faiths. Significant opportunities are offered every student for personal expression of religious faith.

Lycoming College firmly believes in Christian higher education. One of its major objectives is continuous affirmation of the validity of the Christian faith as a way of life. Fulfillment of this objective is aided by the support of a strong Department of Religion. This department was established through the generosity of the late Honorable M. B. Rich, for ten years President of the Board of Directors.

An emphasis upon Christian worship and thought is offered by the weekly chapel program which brings to the campus outstanding religious leaders who share with the student body contemporary religious thinking.



DR. HAROLD H. HUTSON
President, 1969-



ACADEMIC PROGRAM

Admissions

Admission to college today is becoming increasingly competitive and undoubtedly it will continue to be so; thus, it is for each college to define its future position.

At Lycoming College there is to be an increase in the size of the campus, the addition of new facilities, the continuous improvement of the faculty, and the development of a larger student body. The intent is to provide a quality education for an increased number of students, while maintaining identification as a small church-related college.

Admissions Policy

The College Committee on Admissions sets policy and recommends the standard to guide the selection of candidates. Admission is regarded as selective and is on a competitive basis.

In making selections emphasis is placed upon academic measures as evidenced by school records and examinations. Consideration is given to subjects studied, classroom achievement, relative rank in class, differences among schools, counselor's recommendation and Scholastic Aptitude Test scores.

Attention is given to qualities of character and leadership, in addition to activities and interests in school and community.

Academic Requirements

1. Graduation from an approved secondary school is required.
2. Although a set pattern of high school subjects is not required, a strong program of academic subjects is recommended as the most desirable preparation for college. This should include a total of 15 or 16 academic units with substantial work in the areas of English and mathematics, and additional work in foreign language, social studies, and science.*
3. The College Board Scholastic Aptitude Test is required. Acceptable scores are considered in the light of other academic information.

* Music majors must provide a letter of recommendation from the applicants' private teacher and/or high school music supervisor.

Selection Process

Applications are accepted until March 1, after which the selection process begins. Criteria have been established to identify well-qualified candidates who are sincerely motivated to high academic performance.

Although it might seem, with the emphasis placed on test scores, class rank, and other statistical information, that numbers are all important, this premise is not entirely so. Many hours are devoted to reading applications, personal recommendations, counselor's evaluations and other available information. In addition, phone calls and letters are frequently exchanged in an effort to discern the qualities in an applicant which play an important part in the success of the student at Lycoming. Each candidate is carefully considered in a very personal way.

Candidates are notified of the committee's decision sometime after March 15, but before April 1. Those selected are required to pay a \$100 fee no later than May 1. This amount is not an extra charge but is used to reserve a space at the college for the fall and each succeeding semester. It will be applied toward the charges of the last semester in residence, normally the semester prior to graduation. When a student decides to terminate his enrollment at Lycoming College prior to graduation, this fee will be refunded when a written request is made to the Registrar before the end of the student's eighth week of his last semester.

EARLY DECISION PLAN. Lycoming College has adopted an Early Decision Plan which will permit the Director of Admissions to notify well-qualified candidates at the beginning of their senior year in high school that their admission to the college is assured upon graduation. To be considered under the early decision plan, a candidate must complete application requirements before November 1. Candidates accepted in this category will be notified by December 1 and will be required to pay a \$100 fee.

EARLY NOTIFICATION. Appraisal of an applicant's credentials will be sent (approximately 15 days following written request) to candidates who designate Lycoming as first preference.

Application Procedure

1. Persons desiring to apply for admission should request official forms from the Director of Admissions.
2. The Admissions Office compiles a personal folder for each applicant and the following items must be submitted before a candidate is considered for admission. These items should be received at the college before March 1.
 - a) A completed application for admission and secondary school record.
 - b) A recent photograph (approximately 2" x 3").

- c) A fee of \$15, which is a processing charge and is not refundable.
- d) Confidential reports from two persons listed as references in the application.

NOTE: Forms are supplied by the college for items (a) and (d).

- e) Scholastic Aptitude Test scores of the College Entrance Examination Board. Results from the test written during the senior year are preferred. Results from the test written during the junior year may be accepted for early decision candidates.

NOTE: It is recommended that candidates who write achievement tests have the results reported.

3. Candidates are invited to visit the campus and to meet with the Director of Admissions or a representative of the Admissions Office. This time provides an opportunity for reviewing the candidate's credential file, discussing plans, and answering questions.

Advanced Standing by Placement

Students entering as freshmen, who have studied an advanced course while in secondary school and have taken the appropriate advanced placement examination of the College Entrance Examination Board, are encouraged to apply for credit and placement. A grade of three or above is generally considered to be satisfactory.

Grades of the examinations and supporting materials are evaluated in deciding whether a candidate is given credit with advanced placement or advanced placement only. Credit given is entered upon the student's record without charge for tuition.

Students may also receive advanced placement by examinations administered at the college during Freshmen Orientation Periods. Examinations at this time may be taken in foreign languages and mathematics.

Advanced Standing by Transfer

Transfer students applying to Lycoming College shall have their records evaluated by the Registrar prior to admission. A transfer student must meet the minimum requirements for normal progress toward the degree, as defined for Lycoming College students, in order to be considered for admission. A transfer student shall have his class status determined by the number of course credit hours in which he was enrolled at the previous institution(s).

If an interview is to be required, a mutually convenient time will be arranged.

Admission to the Summer Session

Students who are candidates for degrees at Lycoming College are eligible to register for the Summer Session.

A student who is a candidate for a degree from another college may

enter the Summer Session upon certification by the dean of that institution that the applicant is an enrolled student and that the courses taken at Lycoming will be accepted for credit if they are passed with certifying grades.

Others applying for admission to the Summer Session may be accepted only upon presentation of official evidence of preparation to meet the regular admissions requirements. An application form is available from the Admissions Office. A summer school brochure will be available upon request during the spring of 1970.

Admission as a Special Student

Lycoming College offers a number of courses in the late afternoon and evening. These are a part of the regular college program and are open to all qualified students. Students who wish to enroll in one or more of these courses must be admitted, through the Admissions Office, as a special student. The course offerings given the eighth (4:00-4:50 p.m.) and ninth (6:30-8:00 p.m.) periods are such that any student may obtain all or nearly all of his A.B., requirements at these times and on a part-time basis.

In addition many advanced courses are given at these times. The courses are well-suited to the elementary and secondary school teacher who needs continuing work, as, for example, to qualify for permanent certification.

Admissions Office

The Admissions Office is located on the first floor of Long Hall. For an appointment please write or call the Admissions Office. The telephone number is Williamsport 717-326-1951.

Office hours are:

Monday through Friday	9:00 a.m. to 5:00 p.m.
Saturday	9:00 a.m. to 12:00 noon
<i>(No Saturday hours during the months of June, July and August)</i>	

Individual interviews are scheduled:

Weekdays	10:00 a.m. to 4:00 p.m.
Saturday	9:00 a.m. to 12:00 noon

Standards

Graduation Requirements

Every degree candidate must complete his academic program by passing a minimum of thirty (30) unit courses, at least 24 of which shall have been passed with grades of C or better. The candidate also completes a major that consists of passing at least eight unit courses and passes a written comprehensive examination in that major field.



Additional requirements are:

Two years' credit in Physical Education.

Chapel and Cultural Activities credit for all Freshmen, Sophomores and Juniors enrolled full-time. Yearly attendance requirements are as follows:

	Chapel*	Cultural Activities**
Freshmen	12	18
Sophomores	8	12
Juniors	4	6
Seniors	0	0

The decreasing attendance requirements do not imply that upperclassmen should attend fewer or no such events but that they have now experienced a wide variety of such lectures and artistic performances and are free to exercise their more mature judgment based on experience as to which and whether they will attend.

Orientation to college for Freshmen.

All financial obligations incurred at the college must be paid.

The final year and at least one other year to be offered for a degree must have been taken at Lycoming College. Requirements for graduation in effect at time of admission shall be met within seven years of continuous enrollment following the date of matriculation.

When, in the case of any student, the need for consideration of exemptions or waivers of specific requirements arises, all such cases are reviewed by the Faculty Committee on Academic Standing.

Grading System

The college uses the traditional letter system of grading: A B C D F. Pass (P) may be used in certain courses.

* The attendance requirement for Sophomores and Juniors has been suspended for 1969-70.

** The attendance requirement has been suspended for 1969-70.

Academic Honors

The Dean's List is issued at the close of each semester in recognition of superior scholarship. Students are admitted to the Dean's List when they have earned at least two A grades and no grade below B from among three or more unit courses taken in any one semester.

Students may be awarded the *Bachelor of Arts Degree with Honors* only when 24 or more unit courses have been taken at Lycoming College.

Bachelor of Arts, *summa cum laude*—all unit courses shall have been passed with grades of A except two which may have been passed with grades of B or one with a grade of C.

Bachelor of Arts, *magna cum laude*—at least one-half of all unit courses shall have been passed with grades of A, the remainder to have been passed with grades of B or equivalent (one A for every C).

Bachelor of Arts, *cum laude*—at least one-fourth of all unit courses shall have been passed with grades of A, the remainder to have been passed with grades of B or equivalent (one A for every C).

High quality scholarship is also recognized by the election of students to membership in The Sachem, Gold Key, Blue Key, Phi Alpha Theta and Omicron Delta Epsilon.

Academic Standing

Freshmen are admitted to sophomore standing when they have passed a minimum of six unit courses, four with grades of C or better.

Sophomores are admitted to junior standing when they have passed a minimum of fourteen unit courses, ten with grades of C or better.

Juniors are admitted to senior standing when they have passed a minimum of twenty-two unit courses, sixteen with grades of C or better.

When students are not making satisfactory progress, as described above, within the normal eight semesters of college work, their cases are reviewed by the Faculty Committee on Academic Standing. Continuing unsatisfactory progress shall be just cause for dismissal from college.

The college reserves the right to dismiss any student whose grades are excessively low in any one semester. It also reserves the right to dismiss any student when such dismissal is in the best interests of the college.

Class Attendance

The academic program at Lycoming is based upon the assumption that there is value in class attendance for all students. Individual instructors have the privilege of establishing reasonable absence regulations in any given course. Responsibility for learning and observing these regulations rests with the student.

Degree Programs

Lycoming College is a liberal arts institution granting the Bachelor of Arts degree. A degree candidate must fulfill certain minimal course requirements in breadth of learning—the distribution requirements—and in depth of learning in a chosen subject matter field—the major.

Instruction at Lycoming College is organized, with few exceptions, on a departmental basis. Nearly all courses are unit courses, meaning that each course taken by the student is considered to carry the same academic value as any other course. For transfer purposes each course is considered to be equivalent to four semester hours of academic work. This does not mean that all courses will meet for four one-hour lectures each week although many will do so. Rather each course meets on a schedule set by the department and the instructor involved. Such meetings may be on a lecture, discussion, laboratory or tutorial basis. Varying amounts of additional reading, writing, study and research will be required for each course. The number of actual class meetings may vary from two to six or seven per week.

Normally each student will elect four courses each semester, although in unusual circumstances a student may take more or less than this number. One unit course may be elected during each of the four-week summer sessions.

The Major

Except for individuals in the Lycoming Scholar program, all students will complete a series of courses in a field of concentration known as the major. The minimum number of such courses in any case is eight, and, with one exception (Soviet Area Program), the concentration is within a given department of the college.

Majors are available in the following departments:

Accounting	Music
Art	Philosophy
Biology	Physics
Business Administration	Political Science
Chemistry	Psychology
Economics	Religion
English	Russian
French	Sociology and Anthropology
German	Spanish
History	Theatre
Mathematics	

In addition, one may elect to major in the interdisciplinary Soviet Area Program.

Some courses are offered in subjects in which a major is not available. These courses are normally elective, but in some instances, they may be

used to fulfill supporting or distribution course requirements: Czech, Education, Geology, Greek.

Selection of a major is entirely at the discretion of the student. The choice is governed by such important factors as vocational aims, aptitudes, and interest. Whatever the reason, the student must, by the close of his sophomore year, have selected a major.

Some fields are such that the program of study is highly standardized and most of the major courses are specified while others allow a wide latitude of choice. In any case, however, all major departments offer a series of advanced level courses enabling the serious student to probe more deeply into his field of interest. Specific subjects selected for such advanced studies may be highly diversified, and may take the form of independent study, honors, seminars, or small classes informally organized.

Knowledge in some academic departments may be considerably enhanced by knowledge obtained from another. For example, knowledge of chemistry is unquestionably supported and enhanced by knowledge of fundamental concepts of mathematics. It is for this reason that a student's educational program shall include a number of unit courses from departments other than the major. Some such courses are specified by various departments while others may be elected by the student in consultation with his faculty advisor.

The Distribution Requirements

There are many definitions and many approaches to liberal education. Certainly the liberally educated man will have the breadth of training which will enable him to bring many of the historical and traditional avenues of thought to bear on the problems and questions he finds within the world, his community and himself. His study and learning will emphasize his humanity and should enable him to bring all of the aspects of life into a proper perspective.

In order to aid in accomplishing this end, most liberal arts colleges establish distribution requirements, a set of groups of courses from which the student may choose in order to satisfy the criterion of breadth of learning. Courses that meet these requirements are selected in consultation with the faculty advisor. At Lycoming College each student must meet the following requirements:

FRESHMAN ENGLISH. All students are ordinarily required to pass English 10, Rhetoric, and English 11, Introduction to Literature. Students who have achieved a sufficiently high score in the ETS Advanced Placement Test in English may have the requirements of English 10 and 11 waived.

FOREIGN LANGUAGE OR MATHEMATICS. All students are required to meet a minimum basic requirement in *either* a foreign language *or* mathematics.

Foreign Language. Students electing to take a foreign language may choose from among French, German, Greek, Russian or Spanish. The student is required to pass two units on the intermediate or a higher course level. Placement at the appropriate course level will be determined by the faculty of the Department of Foreign Languages.

No student who has had two or more years of a given foreign language in high school shall be admitted to the elementary course in that same language for credit, except by written permission from the Chairman of the department.

Mathematics. Students electing the mathematics option will be given a placement test. The student may satisfy this requirement in one of the following ways:

- a) Mathematics 10 and 11.
- b) Any four of Mathematics 1, 2, 3, 4, 5, 8, 9, or Business 23.
- c) Achievement of minimum standards as determined by the Mathematics Department and completion of any two courses named in (b) above *except* Mathematics 1.

RELIGION OR PHILOSOPHY. All students are required to pass one year (two unit courses) in *one* of the following: (a) Philosophy, (b) Religion.

Philosophy. Students electing the philosophy option must take Philosophy 10 and one other Philosophy course; except upon the consent of the department, this other course will not be Philosophy 28, 31, or 38.

Religion. Students electing the religion option must take Religion 10 and one other Religion course. This will normally be either Religion 13 or 14, but with the consent of the instructor the student may enroll in other Religion courses.

FINE ARTS. All students are required to pass one year (two unit courses) in *one* of the following:

- a) Art. Normally, any two courses in art, including Education 14, will satisfy this requirement.
- b) Literature. Students may elect one year of literature in the English Department from the courses numbered 20 or above, or one year of literature in the Department of Foreign Languages and Literature from the courses numbered 33 or above.
- c) Music. The basic courses in Music Appreciation, Music 10-11; Education 12-13; or Music Theory, Music 23-24 will satisfy this requirement.
- d) Theatre. Any two Theatre courses numbered 10 and above will satisfy this requirement. Theatre I, a course in basic speech is not applicable toward meeting the requirement in fine arts.

NATURAL SCIENCE. All students are required to pass one year (two unit courses) in *one* of the following: (a) Biology, (b) Chemistry, (c) Geology, or (d) Physics.

HISTORY AND SOCIAL SCIENCE. All students are required to pass one year (two unit courses) in *one* of the following: (a) Economics, (b) History, (c) Political Science, (d) Psychology or (e) Sociology and Anthropology.

Special Opportunities for Students

The changing nature of American education finds greater emphasis than ever before upon the development of significant opportunities for self-fulfillment among students. Pertinent educational goals demand that every student shall be accorded an opportunity to pursue a program that offers him the best chance to realize his intellectual potential. It is for this reason, that Lycoming has developed a curriculum that allows a maximum flexibility in course selection, especially among those courses that support the major as well as those that effectively meet the requirements of the college's objectives in liberal education. But wide variety in course selection does not always allow as completely individualistic a program as one might wish. Therefore, a variety of Special Education opportunities is provided.

LYCOMING SCHOLAR PROGRAM. This program is designed to meet the needs of a small number of exceptional students who would profit from a more flexible curriculum than that normally required. The Lycoming Scholar may choose, depending on his background and interests, a program which allows (a) greater specialization or (b) more interdisciplinary work than the regular curriculum permits.

A Lycoming Scholar may be elected in either of two ways:

1. By having been elected in competition with other applicants, prior to enrollment at Lycoming.
2. By being selected by the Lycoming Scholar Council, which administers the program, on the basis of proven performance at Lycoming College. Any student may apply for admission up to the beginning of his junior year, provided he has maintained a grade point average of 3.25 or higher for two consecutive semesters at the time of application. Selection by the council is based on board scores, high school record, college record, faculty recommendations and interviews.

Each Lycoming Scholar will be assigned to a professor by the council. Jointly, and with the approval of the Lycoming Scholar Council, they will construct a total college program suited to the needs of the student. In general all curricular requirements, with the exception of English 10 and successful completion of thirty unit courses, are waived. Lycoming Scholars are permitted to take more or fewer than four unit courses at a time; may substitute, with permission of the instructor, an independent study program for any course; may take independent reading or research courses;

and will engage in special seminars conducted by members of the Lycoming Scholar Council in the freshman and senior years.

All Lycoming Scholars must take a comprehensive examination. The student is to elect whether he will take the comprehensive made up by the Lycoming Scholar Council for the Lycoming Scholars or the comprehensive in his major, if he has one.

If the performance of a Lycoming Scholar is unsatisfactory he may be dropped from the program. Such a student will be expected to complete a major if possible and to complete the curricular requirements set by the council.

The student should note that no financial aid is automatically granted any Lycoming Scholar. In addition any Lycoming Scholar who elects five courses in one semester will be charged for the fifth course as would any other student. No aid automatically accrues to any Lycoming Scholar who elects to spend one or more semesters either overseas or at other campuses in the United States. However, all Lycoming Scholars will be given careful consideration when election of one of the special aspects of the program places an additional financial burden on the student and his family. The scholar should consult with the financial aid officer.

INDEPENDENT STUDY. Each department granting a major provides opportunity to students to work independently. Upon consent of the department head, and the instructor, a student may register for courses in Independent Study. Normally, the opportunity for such study is provided for the better qualified major student who has successfully completed the courses making up the core of his major program. Except under unusual circumstances, registration for the studies course is limited to one unit course during each semester. If a student wishes to elect more than one unit during a semester or three or more unit courses in Studies in his total college program, approval of the Academic Standing Committee must be secured. Students who are privileged to elect Independent Study in any department register for courses numbered 80-89, Studies, with an appropriate title to be entered upon the student's permanent record.

SEMINAR STUDY. The several departments may from time to time find it possible to organize small classes or seminars for exceptional students interested in subjects or topics not usually a part of departmental course offerings. Establishment of the seminar and admission of students depends upon the approval of the department involved. Occasionally, Visiting Professors, Lecturers, or Specialists in Residence will offer such seminar studies. Students who are privileged to elect Seminar Study in any department register for courses numbered 70-79, Studies, with an appropriate title to be entered upon the student's permanent record. Enrollment in seminar courses is normally limited to ten students.

DEPARTMENTAL HONORS. When a student desires to enter an Honors program and secures departmental approval to apply, a faculty committee shall be convened whose initial responsibility shall be to pass upon the student's

eligibility to enter the program. The committee responsibility shall also include the direction of the study, and final evaluation of its worth. The committee shall be composed of two faculty members from the student's major department, one of whom shall be the faculty member under whose immediate supervision the study is performed, and one member from each of two other departments related to the subject matter of the study. Committee members shall be selected from among the faculty members who are personally acquainted with the applicant's abilities. Selection of persons to serve on the committee is made by the chairman of the applicant's major department, after consultation with the chairmen of other departments involved. Usually the Honors program involves independent study in two consecutive unit courses. Students who are privileged to elect Honors register for courses numbered 90-99.

Honors study is expected to result in the completion of a thesis to be defended in a final oral examination. Acceptable theses shall be deposited in the college library. Successful completion of the Honors program will cause the designation of honors in the department to be placed upon the permanent record. In the event that the study is not completed successfully, the student shall be re-registered in Studies and given a final grade for the course.

WASHINGTON SEMESTER. Upon recommendation of the faculty of the Department of Political Science, students may be permitted to attend the American University, Washington, D.C., for a period of one full semester. The Washington Semester program is intended to provide a first-hand acquaintance with various aspects of the nation's capital, as well as an academic experience equivalent to the normal four unit courses. This program is open to selected students who have special interests in political science, law and American government. Ordinarily, only junior students are eligible.

UNITED NATIONS SEMESTER. Upon recommendation of the faculty of the Departments of History or Political Science, students may be permitted to attend Drew University, Madison, New Jersey, for a period of one full semester. The United Nations Semester is intended to provide a first-hand acquaintance with the United Nations, New York City, as well as an academic experience equivalent to the normal four unit courses. This program is open to selected students who have special interests in world history, international relations, law, and politics. Ordinarily, only junior students are eligible.

LONDON SEMESTER. Upon recommendation of the faculty of the Departments of History or Political Science, students may be permitted to attend London University for a period of one semester. This program is operated by Drew University in conjunction with many other American colleges. It is intended to acquaint the student with the character of one of the principal sources of American law and politics as well as to provide an academic program equivalent to the normal four courses. Ordinarily, only junior students are eligible.

JUNIOR YEAR ABROAD. Under the auspices of approved universities or agencies, a student may be privileged to spend one or two semesters of his junior year in a foreign university. The program has seemed to be especially attractive to students majoring in foreign languages but it is entirely possible for other students to participate. A file on opportunities within the Junior Year Abroad program is available.

INTERNATIONAL INTERCULTURAL STUDIES. Lycoming College is a participating member of the Association of Colleges and Universities for International Intercultural Studies (ACUIIS). The Association sponsors college courses taught during the summer at a center agreed upon by the member institutions. During the summer of 1969, the program, consisting of a number of courses, was held at the University of Graz in Austria, July 3-August 22. Lycoming College students are eligible for participation in this program, extending across seven weeks of the summer. Total cost will approximate \$800.00-\$850.00 and includes air fare, tuition, room, board, field trips, laundry and insurance. Students interested in this program should consult the Dean of the College.

Vocational Aims

Courses of study at Lycoming College are designed to fulfill two specific but interrelated purposes. The first is to acquaint the student with the liberal arts heritage of human civilization and the American nation. The second is to provide him an opportunity to explore, from an elementary to an advanced level, various fields that may fit him for life's vocation or direct him toward professional or graduate schools. A wide variety of vocations may be entered directly upon graduation. These include positions in business, industry, government, and the professions, including teaching. Students interested in any of these areas are referred to their advisor, to the appropriate departments or to special advisors assigned for each of the areas mentioned above.

Economics and Business

Lycoming College offers course work in the field of business administration particularly designed for training prospective business leaders. The three areas of specialization are business administration, accounting, and economics. Business is a highly diversified occupation; therefore the curriculum is not designed to be vocational or narrowly pre-professional. The purposes of the business administration curriculum are to train and to equip the minds of men and women to recognize and to solve complex problems facing business executives, to develop an appreciation for rigorous analysis, to practice the arts of verbal and written communication, and to expose the

developing mind to as wide as possible a range of course work represented by the traditional liberal arts curriculum, to the end that a student becomes truly well educated. Considerable flexibility is permissible within the curriculum and the student is encouraged to pursue course work most rewarding to him. Three years of high school mathematics are recommended for preparation. For specific requirements, refer to individual course areas.

Preparation for Dental School

At least three years of pre-dental study are suggested before entry into a college of dentistry. However, many dental schools prefer their students to defer their matriculation in a dental college until they have earned a Bachelor of Arts degree. The pre-dental curriculum is organized around the basic courses in biology, chemistry and physics. Electing a major in one of the natural sciences is the usual procedure. The student should consult the catalog of the college of dentistry to which he expects to apply so that all courses specifically required by that college of dentistry may be included in his program at Lycoming College. The modern practitioner of dentistry is not just a dentist. He is a human being dealing with other human personalities and as such must be conversant in a great variety of human experiences. For this reason, the pre-dental curriculum will be augmented with courses from many areas of academic work. In addition to the science courses, therefore, the pre-dental student will include in his curriculum courses from the fine arts, humanities and social sciences, as well as a foreign language.

Cooperative Curriculum in Engineering

Consistent with increased attention being given nationally to engineering education, Lycoming College offers a cooperative curriculum combining the manifold advantages of a small liberal arts college with the training to be secured at an engineering school. By arrangement with Bucknell University and The Pennsylvania State University, the colleges offer a five-year program in which the first three years are spent at Lycoming and the final two at the engineering school. Upon completion of the first year at the engineering school, the student's record will be sent to Lycoming College. If the work is satisfactory, Lycoming College will award the Bachelor of Arts degree. Upon the completion of the five-year program of studies, a Bachelor of Science in Engineering is awarded by the engineering school. Combined programs offer an opportunity for completion of studies in the following areas: Bucknell University: chemical, civil, electrical, or mechanical engineering; The Pennsylvania State University: aeronautical, civil, electrical, industrial, mechanical or sanitary engineering.

Prescribed work at Lycoming includes, in addition to the degree requirements outlined above, courses in chemistry, mathematics and physics. Because the demands of the engineering curricula may differ somewhat, a program of studies at Lycoming College will be designed for each student

when his plans as to type of engineering program preferred have been finally fixed: A member of the teaching staff in the physical sciences will aid each cooperative engineering student in planning his program.

Cooperative Curriculum in Forestry

Lycoming College offers a program for forestry students which combines a strong liberal arts background with professional training in forestry at the Duke School of Forestry, Duke University, Durham, North Carolina.

The program as established is of five years' duration. A student electing to pursue this program of study will spend three years at Lycoming where he will meet the liberal arts degree requirements, including such subjects as English, biology, chemistry, physics, mathematics and economics.

Upon satisfactory completion of these three years' work at Lycoming College, the student will apply for admission to the Duke School of Forestry for one summer and two years of training in forestry. At the end of his first year at Duke, his record will be sent to Lycoming College. If the work is satisfactory for this fourth year in college, Lycoming will award the Bachelor of Arts degree. Upon the satisfactory completion of the second year in forestry school, the professional degree, Master of Forestry, will be awarded by Duke University.

Cooperative Curriculum in Drama

The American Academy of Dramatic Arts and Lycoming College recognize appropriate courses given by the other institution. At Lycoming an exception is made in the residency requirements for graduation (page 15). Normally, in the case of the transfer student who is a graduate of the American Academy of Dramatic Arts and recommended by them and who has completed two years successful study at an accredited college or university, the residency requirement shall be two summers with The Arena Theatre and two consecutive semesters in an academic year. Course work may be required during summer sessions. Each case is subject to review.

Preparation for Law School

Many colleges of law require a Bachelor of Arts degree for admission. The four-year degree program in pre-law at Lycoming College provides a background for the prospective student of law. Requirements include courses in political science and history, but also specified is a wide range of subject matter designed to acquaint the student with the vast scope of human experience. Students may expect to major in economics, history, political science, or related fields as they prepare for matriculation in law school. Individual programs are tailored to fit the student's needs as well as to meet the specific requirements of the law school to which he applies for admission.

Preparation for Medical College

This curriculum is organized around a solid foundation of the basic courses in biology, chemistry and physics. Pre-medical students usually major in one of the natural sciences. The student should be aware of the specific pre-medical course requirements demanded by the medical college to which he will apply so that all such requirements can be fitted properly into his curriculum at Lycoming College. Consistent with suggestions of the medical colleges, a wide range of subject matter from the humanities, social sciences and fine arts is also to be included in the curriculum. Some students may matriculate in a college of medicine after three years of pre-medical work, but the more normal procedure is to elect four years of pre-medical study and enter the medical college with a Bachelor of Arts degree.

Medical Technology

This curriculum is organized around an academic background of basic science courses in addition to those liberal arts courses listed as requirements for the Bachelor of Arts degree. Three unit courses in biology are required as well as one of mathematics. In chemistry, General Chemistry and one other course are required. Three or four years are spent in obtaining this academic background; the final year is spent in the medical laboratories of an approved hospital. This will consist of an internship of a full calendar year at a hospital accredited in the Registry of Medical Technologists of the American Society of Clinical Pathologists. The college will give credit for the year when it is informed that the student has successfully passed the examinations given by the Registry of Medical Technologists of the American Society of Clinical Pathologists. An official transcript of studies completed at the hospital must also be submitted by the candidate. Lycoming College has a formal affiliation with Williamsport Hospital, Divine Providence Hospital in Williamsport and Robert Packer Hospital in Sayre, Pennsylvania.

Religion and Religious Education

Any student desiring extensive study in biblical history and literature, the historical development of Christianity, and Christian doctrine, may major in religion. A qualified student planning to enter the vocation of religious education should, besides majoring in religion, elect five or six unit courses in prescribed psychology, education, sociology, and church music. This program of study, completely within the liberal arts curriculum, is to qualify graduates for work as Educational Assistants, or after graduate study in a theological seminary, as Directors of Christian Education. Interested or prospective students are invited to contact Mr. Neuffer of the Department of Religion for further information concerning the opportunities, responsibilities and requirements of these and other church vocations.

Soviet Area Studies Program

Interest in Russian history, government, culture, and foreign relations is so important that Lycoming College offers special opportunity for those students desiring to specialize in study of such subjects. This curriculum permits one to select courses stressing Russian experience in a variety of fields and combine them with four years of Russian language study to form a satisfactory graduate major.

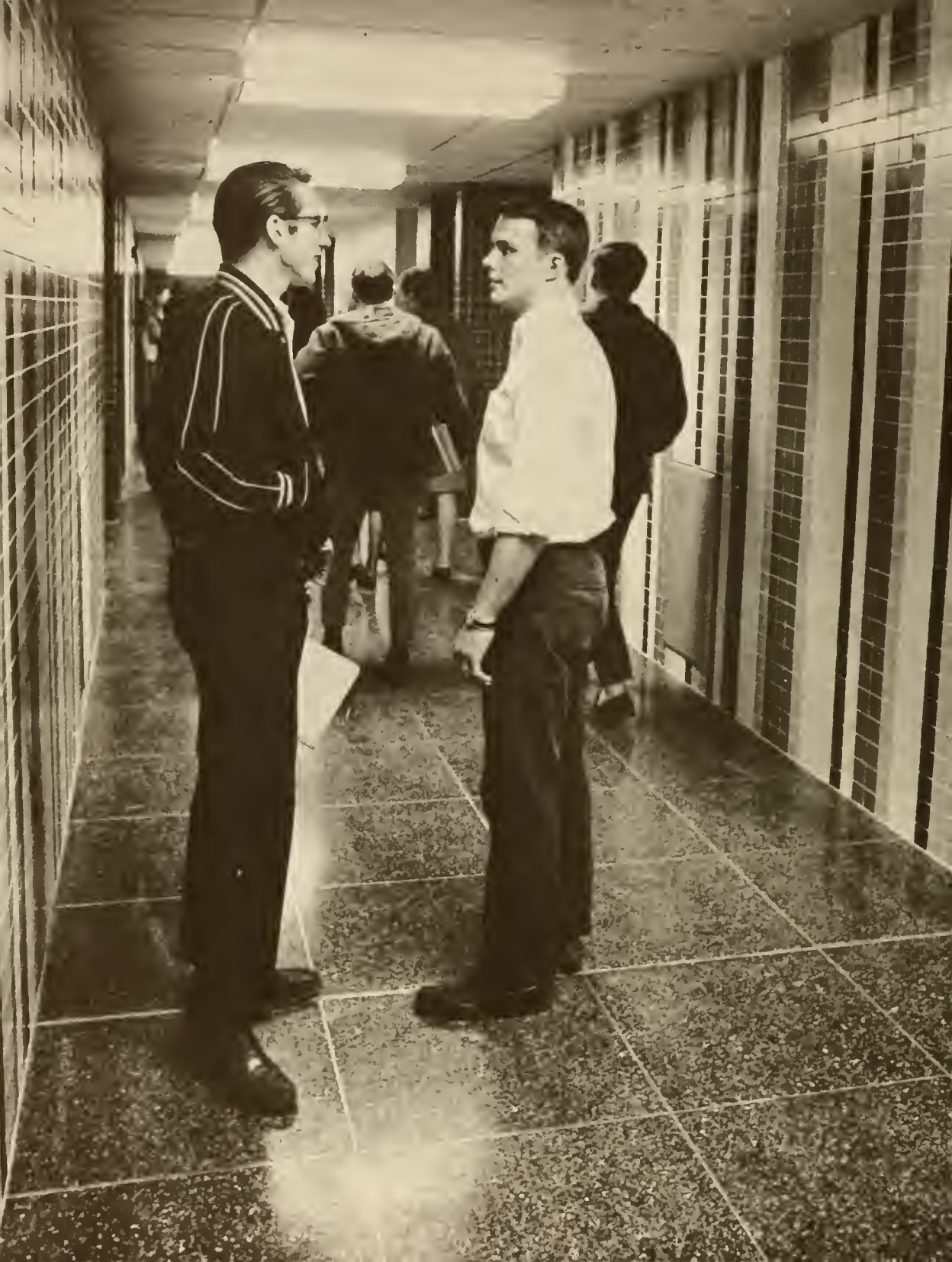
Preparation for Theological Seminary

(Christian Ministry)

Young men and women called to the Christian ministry or related vocations will find the pre-ministerial curriculum at Lycoming College an exciting and challenging opportunity. Basic courses specified by the American Association of Theological Schools are virtually identical with the program of courses required for a Bachelor of Arts degree at Lycoming College. Such courses offer a wide range of subject matter presenting many opportunities for the pre-ministerial student to acquaint himself with the broad scope of human experience. Preparation for seminary includes earning a Bachelor of Arts degree with a major in one of a variety of fields such as religion, English, history, and philosophy. So that every student may have a curriculum designed to fit his individual needs, the offerings in the junior and senior year are largely elective. However, the choice of electives will depend upon the specific requirements of the theological school in which the student expects to matriculate.

Teacher Education

Lycoming College trains teachers for both elementary and secondary education. The program is clearly identified with the liberal arts nature of the college, and hence, no candidate for the profession of teaching is considered apart from the total liberal arts objective. Teacher education candidates meet all general course requirements of the college including a major in a subject matter field.



FINANCIAL INFORMATION

Expenses

General Expenses

In considering the expenses of college, it is well to bear in mind that no student actually pays the full cost of his education. State colleges are enabled to keep the cost of tuition within reasonable limits by grants from the public treasury; independent colleges achieve this by voluntary contributions supplemented by income from their invested endowment funds. At Lycoming College, the tuition fee which each student pays represents only a portion of the total instruction cost. Tuition is kept at the lowest possible level consistent with adequate facilities and competent instruction.

Tuition at Lycoming is \$925.00 per semester, plus certain fees which are listed on the following pages. The room expense for boarding students amounts to \$250.00 per semester except for men living in the Fraternity Residence, who are assessed an additional \$25.00. Board is \$275.00 per semester (the academic year comprises two semesters of approximately sixteen weeks each). If, for justifiable reason, it is impossible for a student to eat in the College Dining Room, permission may be given the student to make other arrangements for meals. However, in the event such permission is granted, the room cost will be 50% higher than the above rates. If a student requests the use of a double room as a single room and the room is available, he will be charged 50% more than regular rates.

The tuition charged covers the regular or prescribed course of study which normally comprises four subjects. Additional detailed information will be furnished by the Treasurer's Office upon request.

Application Fee and Deposit

All students applying for admission are required to send an application fee of \$15.00 with the application. This charge is to partially defray the cost of processing the application and maintaining academic records and is non-refundable.

After a student is notified that he has been accepted for admission by the college, he is required to make a deposit of \$100.00. This deposit is evidence of the applicant's good intention to matriculate and is applicable to the general charges of his final semester in attendance (see page 12); it is not an extra fee. This deposit is not refundable when the student fails to matriculate at Lycoming College.

Books and Supplies

A modern book and supply store is conveniently located in the Wertz Student Center. Books and supplies are purchased by the individual student. The estimated cost is approximately \$75.00 per year, but will vary somewhat in accordance with the course of study which the student is pursuing. The bookstore is open registration day and daily thereafter.

Expenses in Detail per Semester

RESIDENT STUDENTS

	<i>Per Semester</i>
Comprehensive Fee	\$ 925.00
Room	250.00
Board	275.00
<hr/>	
Basic cost per semester	\$1,450.00

NON-RESIDENT STUDENTS

Comprehensive Fee	\$ 925.00
<hr/>	
Basic cost per semester	\$ 925.00

SPECIAL CHARGES

Laboratory Supplies per Semester: Natural Sciences	\$10.00 to \$30.00
Organ Practice	10.00
Piano Practice	5.00
Practice Teaching	80.00
Late Registration Fee	5.00
Change of Schedule Fee	2.00
Special Examination Fee	5.00
Diploma	10.00
Transcript Fee (no charge for first transcript)	1.00
Caps and Gowns (rental at prevailing cost)	
The college reserves the right to adjust charges at any time.	

Payment of Fees

The basic fees for the semester are due and payable on or before registration day for that semester. Checks or money orders should be payable to Lycoming College.

Charges for laboratory supplies and additional credit hours will be billed and payable immediately following each registration period.

Partial Payments

For the convenience of those who find it impossible to follow the schedule of payments as listed, arrangements may be made with the College Treasurer for the monthly payment of college fees through various educational plans. Additional information concerning partial payments may be obtained from the Treasurer or Director of Admissions.

Withdrawals and Refunds

The date on which the Dean of the College approves the student's withdrawal sheet is considered the official date of withdrawal. In the case of minors, the approval of the parent or guardian is required before the withdrawal is approved and before any refund is made.

Room rentals have been fixed on a semester basis. Consequently, students leaving college prior to the ending of a semester will not be entitled to any refund of room rent.

Refund of tuition and board will be made to students who withdraw voluntarily from the college while in good standing and is fixed on the following basis: Students leaving during the first four-week period are charged 30%; during the second four weeks, 60%; during the third four weeks, 90%; after twelve weeks, full charge.

Dropping a unit course from the original schedule after the first week of either semester will not justify any claim for refund of tuition charges. No refund will be made to those students who are asked to withdraw from the college.

Other fees cannot be refunded for any reason whatever.

Penalty for Non-Payment of Fees

A student will not be registered for courses in a new semester if his account for previous attendance has not been settled.

No grades will be issued, no diploma, transcript of credits, or certification of withdrawal in good standing will be granted to any student until a satisfactory settlement of all obligations has been made.

Damage Charges

Wherever possible, damage to dormitory property will be charged to the person or persons directly responsible. Damage and breakage occurring in a room will be the responsibility of students occupying the room.

Halls and bathroom damage will be the responsibility of all students of the section where damage occurs. Actual costs of repairs will be charged.

Financial Aid

A generous program of financial aid for students is designed to recognize outstanding achievement and to supplement limited resources by providing assistance to students in their efforts to obtain a college education. This assistance may take any one, or any combination, of the following forms: (1) Scholarships, (2) Grants-in-aid, (3) Educational Opportunity Grants, (4) Loans, (5) Work-Study Grants.

The establishment of need is the controlling factor in determining the amount of the grant or award. To this end, Lycoming uses the College Scholarship Service sponsored by the College Entrance Examination Board. Prescribed forms are available from high school counselors or from the college upon request.

Scholarships are awarded to the beginning student on the basis of academic achievement as evidenced by the scores on the College Entrance Examination Board tests and a ranking in the first fifth of the high school class. To continue receiving the award during succeeding years, a cumulative average of 3.0 must be maintained together with satisfactory campus citizenship.

Lycoming offers a limited number of Lycoming Fellowships to outstanding students on a competitive basis. Candidates should be in the top tenth of their high school class and have verbal and quantitative College Entrance Examination Board scores above 600. Examinations and interviews are held on the campus on two occasions in December and February. Successful candidates will be awarded grants ranging up to full tuition, depending on need, for their four years at Lycoming College providing they maintain a 3.0 average. In addition they are eligible to join the Lycoming Scholar Program (page 20).

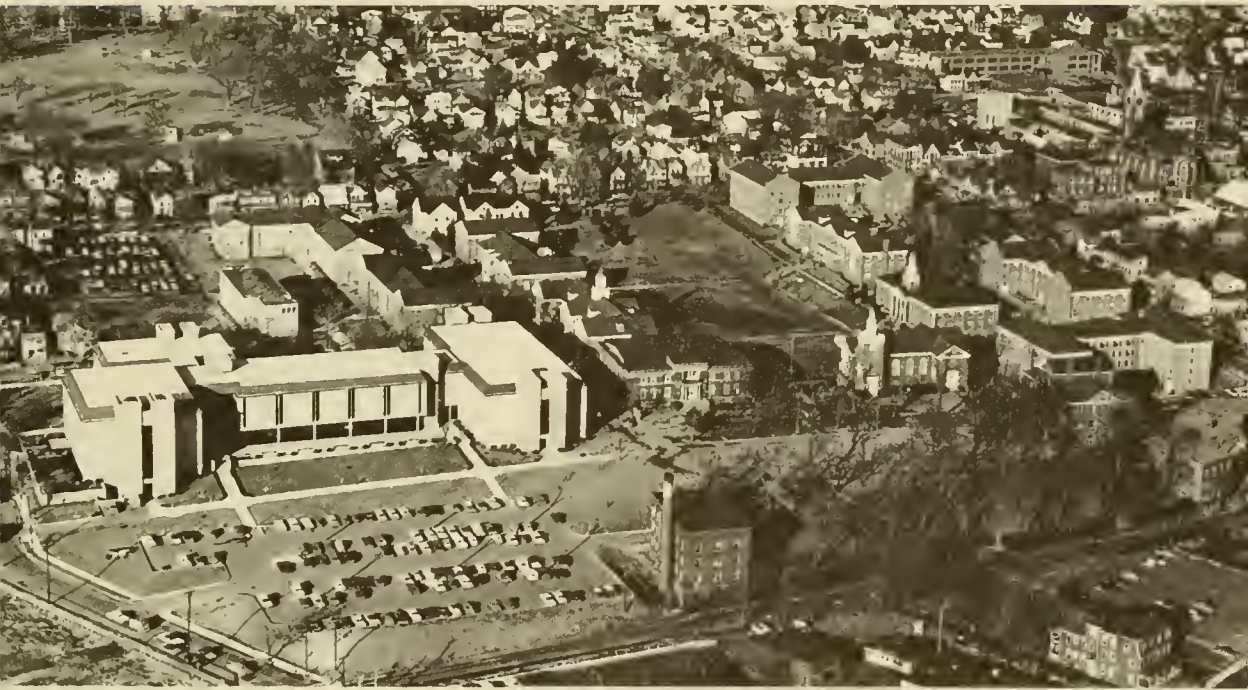
Grants-in-aid are awarded annually to students on the basis of a demonstrated need. The size of the grant is determined by need and by the promise of becoming beneficial members of the college community. Consideration is also given to families with more than one student at the college.

Ministerial Grants-in-Aid: Financial assistance is available through grants from The United Methodist Church to children of ministers and ministerial students.

Educational Opportunity Grants are given to students with exceptional financial need who are in good academic standing. These are available under the Higher Education Act of 1965.

Loans: Federal National Defense Student Loans are available to needy students. Other loans are available through the various state student loan programs.

Work-Study Grants are allocated to students in academic good standing who come from low income families. These federal grants are available under the Higher Education Act of 1965.





Religious Life

Lycoming College provides a student with many opportunities to mature in his faith through participation in the religious life of the campus.

A Director of Religious Activities, who is a member of the faculty with teaching responsibilities, is responsible for co-ordinating the religious activities of the college and provides counseling in the area of religion to students who request his assistance. He serves as Executive Secretary to the Religious Life Council. The Religious Life Council, a student organization which coordinates the religious program on the campus, is composed of representatives from student organizations, faculty, administration, and the local clergy. Throughout the year it plans campus-wide discussions, forums, lectures, etc., with the aim of helping persons discover meaning in life.

Weekly worship services on Sunday morning in Clarke Chapel are planned under the supervision of the Director of Religious Activities and the Religious Life Council. Regular Protestant ecumenical services are provided, along with occasional Catholic masses planned and scheduled by the Catholic students under the direction of the chaplain to Catholic students, associated with St. Boniface Roman Catholic Church. Jewish students are invited to associate with either the Orthodox or Reformed Synagogue.

Student Activities

Lycoming College accepts the responsibility of making every situation in which learning occurs constructive and positive. The college believes that learning is a continuous process that takes place not only in the classroom, but also in every college activity.

The college assumes its responsibility in this area by directing the extra-curricular educational experiences of the students in such a way that these activities contribute to the achievement of the objectives of the college, by complementing the academic life of the campus.

The college considers one of its responsibilities to be the encouragement of as many different activities as are necessary to provide all students with the opportunity to participate constructively in this area of student life. Departmental clubs; athletics, both intercollegiate and intramural; varied interest groups such as denominational clubs, the choir, the band, etc.;

social organizations; social activities; self-governing groups; and many informal associations are equally important in a well-integrated program of student activities.

Recognizing the need for skilled leadership in our world, the college aims to utilize students in as many of the leadership positions as possible. In doing so, it will give students the opportunity to accept greater responsibilities, and to learn as they participate.

Student Government

Self-government by students in certain areas of campus life is an objective achieved through the Student Government Association of Lycoming College. The Student Council is the legislative body of the Association. The officers of the Student Government Association are elected from the entire student body. Members of Student Council are elected by classes and certain other organizations.

As the Student Council has been delegated authority for certain areas of campus life, it has also become more directly involved with the problems of campus community life and is participating actively in the formulation of policy and procedures. Recognized by the college as the legitimate representative body of the students, the Student Council has been responsible for the organization of the Tri-Partite Committee which is composed of students, faculty, and administrators. This committee considers basic issues within the college, makes recommendations, and refers items to the various campus groups authorized to take action.

A number of standing committees of Student Council are concerned with specific areas of student life. The Social Calendar-Concessions Committee is responsible for approving the scheduling of all social activities by student organizations, and awards concessions to student groups for "fund-raising" purposes upon request. The Dining Room Committee advises the manager in menu planning and other areas of concern.

Homecoming and Spring Weekend are major social activities under the sponsorship of Student Council. Each of these weekends features a major concert or dance along with a full program of activities, which is financed by a social fee of \$16.00 per year for all students.

This fund has sponsored concerts by Martha and the Vandellas, The Happenings, The Paul Butterfield Blues Band, and Gary Puckett and The Union Gap.

Other governing groups on the campus are the Inter-Fraternity Council, the Men's Dormitory Council, the Women's Dormitory Council, and the Associated Women Students. Each operates under limited authority in situations related to its specific area.

Social and Cultural Influences

Lycoming gives its students every possible opportunity to become familiar with the best social customs and usages. The development of poise and ease

in handling oneself in social situations is an objective in the program of the college. These experiences are provided through the dining room, coffees and receptions, and other social functions.

The Artist and Lecture Series presents several performances of the best obtainable talent in music, drama, the dance, and the lecture. The series is presented to provide wider cultural experiences than might normally be available to the student. Although the series is entertaining, its prime objective is to acquaint the student with the arts and the humanities as they are performed on a professional level.

Student Union

The Student Union of Lycoming College is a unique organization. It is operated by a Board of Students who are selected for membership after they have served at least a year in the apprentice program. Its services to the campus include poster-making, publicity, and a travel board. The Student Union Board is responsible for the entire Student Union Program. It sponsors dances, lectures, picnics, tours, concerts, intercollegiate mixers, films, tournaments, recreational activities, bridge, skiing, life-saving courses, and coffee hours, and provides an informal place for students to gather.

Programs presented in the past include Ogden Nash, Carey McWilliams, The Riverside Chamber Singers, the New York Baroque Ensemble, and numerous other lecturers and performers. The Board cooperates in the sponsorship of the Artist and Lecture Series by providing funds and personnel.

A laboratory for learning, the Lycoming Student Union offers students a real opportunity to learn while serving the campus.

College Publications and Communications

There are several official college publications. Each is devoted to a specific area of college life, and is designed to communicate to selected groups of the college community.

The Bell, official student newspaper, is published weekly and is devoted to interests of the student body, reporting current campus events.

The Arrow, college yearbook, is published in August and presents a record of student life during the current academic year.

The Freshman Handbook, published annually by Student Government, is a handbook of regulations and miscellaneous information which is distributed to freshmen prior to their arrival on the campus.

The Alumni Bulletin is published by the Alumni Office four times yearly. It is designed to keep the alumni informed of current happenings at the college and on alumni activities. *The Newsletter* is published periodically between issues of the Bulletin.



The President's Report, an annual review of college operations to the Board of Directors, is distributed to all alumni and parents.

The Student Bulletin and *The Faculty Bulletin* are published weekly by the office of the Dean of the College.

The Lycoming Library Student Handbook is published by the library every September.

The Campus Radio Station, WLCR, broadcasts nightly from 5:00 p.m. until midnight on a wired circuit to all residence halls. The station broadcasts music, news commentary, sports results, and special programs of interest to the student body.

The Pennsylvania Folklore Society

In 1961 Lycoming College became official headquarters of the Pennsylvania Folklore Society, a scholarly organization founded in 1920 for the purpose of collecting, preserving, and disseminating knowledge about Pennsylvania folklore. The society publishes a quarterly journal, the *Key-stone Folklore Quarterly*, which is sent to individual and institutional subscribers throughout the United States and Canada.

Campus Clubs and Organizations

A variety of organizations on the campus provide opportunities for social and intellectual growth. These groups are organized and conducted by students in cooperation with faculty sponsors or advisors.

Some of the groups are: the Student P.S.E.A.-N.E.A., which gives prospective teachers current information on the teaching field and an insight into the problems of education; The Lycoming College Theatre, which stages a variety of dramatic productions including original work; The Varsity Club, composed of lettermen, which promotes college spirit in sports; the Business Club for students majoring in business administration; the French, German, Russian and Spanish Clubs, which study the language and the life and culture of the countries; the Model United Nations Society, the Practical Politics Society, political clubs, and the Associated Women Students, which sponsors parties and teas for student, faculty, and parents.

Musical organizations at Lycoming offer to singers and instrumentalists alike a fine opportunity to learn by doing. There are several choral groups and instrumental ensembles offering every able student the chance to participate both on the campus and on tour.

Fraternities

Six Greek letter fraternities on the campus provide a means of bringing to men students the advantages of national fraternal organizations as well as group housing. They include the Psi Chapter of Kappa Delta Rho, Beta Lambda Chapter of Sigma Pi, Iota Beta Zeta Chapter of Lambda Chi Alpha, Epsilon Beta Chapter of Theta Chi, and Gamma Rho Chapter of Alpha Sigma Phi, and Mu Theta Chapter of Tau Kappa Epsilon.

The Inter-Fraternity Council coordinates the activities of the fraternities.



EAST FOURTH STREET

PARKING

PARKING

PARKING

PARKING

FRANKLIN STREET

ROSS STREET

COLLEGE PLACE

WASHINGTON BOULEVARD—U. S. ROUTE 220



LEGEND TO CAMPUS MAP

1. North Hall
2. Art Center
3. Fine Arts Building
4. Fraternity Residence Hall
5. Forrest Hall
6. Crever Hall
7. Wertz Student Center
8. Wesley Hall
9. Rich Hall
10. John W. Long Hall
11. Asbury Hall
12. Laboratories and Arena Theatre
13. Faculty Office Building
14. Wendle Hall
15. Library
16. Gymnasium
17. Clarke Chapel
18. Skeath Hall
19. Eveland Hall
20. Bradley Hall
21. Science Building
22. Maintenance Building



College Honors

The Chieftain Award

The Chieftain Award is given to that senior who, in the opinion of the students and faculty, has contributed the most to Lycoming College through support of school activities; who has exhibited outstanding constructive leadership qualities; who has worked efficiently and effectively with the members of the college community; who has evidenced a good moral code; and whose academic rank is in the upper half of his class.

The Sachem

The Sachem is an active society of superior junior and senior scholars. Its membership is limited to students who have completed at least four full semesters of academic work at Lycoming College. Election to membership is held annually in September by the members of the society and its faculty advisors. Newly elected members are chosen from among the top-ranking 3% of the junior class and 6% of the senior class.

Gold Key and Blue Key

Gold Key and *Blue Key* are freshman scholastic honor societies for women and men respectively. Election to these societies is dependent upon the student's being nominated to the Dean's List during the first semester of the freshman year. Under certain conditions, second semester freshmen and sophomores are also eligible for election.

Phi Alpha Theta

This national honorary society is for those students interested in history. To be eligible, students must have completed a minimum of four unit courses in history with grades averaging above B.

In addition, a student must have achieved a grade of B or better in two-thirds of his remaining academic courses. The local chapter is Zeta Zeta.

Omicron Delta Epsilon

Juniors and seniors making the study of economics one of their major interests are eligible for membership in this national honor society. Qualifications include an average grade of better than B in a minimum of three unit courses in economics and an overall average of at least a B for all college courses. The local chapter is Mu.

Iruska Honor Society

No more than seven juniors are selected annually for membership in Iruska, which honors juniors active in extracurricular activities who best represent the spirit of campus leadership at Lycoming College, and whose academic rank is in the upper half of their class.

Who's Who in American Colleges and Universities

The students elect members to *Who's Who*. The senior members are honored by having their names appear in the annual issue of the national publication, *Who's Who among Students in American Colleges and Universities*. Election is on the basis of academic rank in the upper half of the class, personal character, service to the college, and outstanding leadership in extracurricular activities.

Facilities

The facilities at Lycoming College are excellent. The majority of the buildings and all the dormitories have been erected since World War II. The college has followed a Georgian Colonial style of architecture in its postwar development with the exception of the Academic Center.

Academic

THE ACADEMIC CENTER: A broad complex of instructional facilities, the Academic Center, completed in 1968, houses classrooms, laboratories, faculty offices, library, planetarium, and theatre. The library has a capacity of 250,000 volumes and can accommodate as many as 700 students in a variety of study and reading situations. On the basement level it contains a computer center and an audio-visual center. Wendle Hall, the classroom unit, is entered through Pennington Lounge, a spacious first-floor lounge which serves as an informal meeting place for students and faculty. Psychology laboratories are located in the basement of this section. There are 20 classrooms on the second and third floors. A third unit contains a diversified group of educational and cultural facilities serving both the College and the community. Located here are the Arena Theatre, a 204-seat theatre featuring a thrust-type stage, and the Detwiler Planetarium. Language, mathematics, and physics laboratories and the 90-seat Alumni Lecture Hall are located on the second and third floors. A faculty office unit contains 69 single-occupancy faculty offices as well as seminar rooms

in the core area of the upper floors and a lecture hall on the ground floor with a seating capacity of 725.

THE ART CENTER: The President's residence for 25 years, it was converted in 1965. It contains studios and a gallery area for students enrolled in the art curriculum.

BRADLEY HALL: Completed in 1895 and named in honor of the Hon. Thomas Bradley of Philadelphia, it housed the library of the college for many years.

THE FINE ARTS BUILDING: Converted from a residential home, this building contains the studios and individual practice rooms for the students enrolled in the music curriculum.

THE SCIENCE BUILDING: Completed in 1957, it is exclusively devoted to scientific studies in the fields of chemistry and biology. Lecture rooms and laboratories, along with appropriate faculty offices are located in the Science Building.

Administrative

JOHN W. LONG HALL: Named in honor of the late Rev. Dr. John W. Long, President of the Institution from 1921 to 1955, it was officially opened in October, 1951. Long Hall is the administration center of the College, containing the offices of the President, Dean of the College, Dean of Student Services, Dean of Women, Treasurer, Registrar, Director of Admissions, Director of Public Relations, Director of Alumni Affairs, and Director of Publications. A reception area and a central communications system are located on the main floor. A center for duplicating and bulk mail services is located on the ground floor. The Conner Memorial Chapel named in honor of Benjamin Conner, president of the Institution from 1912-1921, is also on that level.

EVELAND HALL: Completed in 1912 and at one time the preministerial dormitory, it was named in honor of Bishop W. P. Eveland, President of Williamsport Dickinson Seminary from 1905 to 1912. No longer used for residential purposes, Eveland Hall for many years housed the Civil War Museum and faculty offices.

Chapel

Clarke Chapel was built in 1939 with funds willed to the college by Miss Martha B. Clarke, a benefactor interested in Christian Education. Worship services and other events are held in the main floor auditorium and classes are conducted in its lower level.

Recreational

D. FREDERICK WERTZ STUDENT CENTER: The student center, completed in 1959, contains the dining facilities, Burchfield Lounge, a recreation area, game room, music room, book store and post office. The Board Room and offices of various student organizations are on the second floor.

GYMNASIUM: This is the athletic center of the college, housing basketball, and other courts, swimming pool, bowling alleys, and the administrative offices of the Physical Education Department. Begun in 1923, the present plant will soon be supplemented by new facilities.

Residential

RICH HALL: Named in honor of the Rich family of Woolrich, Pennsylvania, this residence currently accommodates 126 women. The college infirmary and the Sara J. Walter lounge for non-resident women are located on the ground floor. Completed in 1948, it marked the first step in the post-war expansion of the college.

CREVER HALL: Named in honor of the Rev. Benjamin H. Crever who was instrumental in persuading the Baltimore Conference to purchase this Institution from the Town Council of Williamsport in 1848. He is considered the college's founder and served as its first financial agent. Crever Hall was completed in 1962 and accommodates 126 women.

NORTH HALL: Completed in 1965, the largest women's dormitory accommodates 146 students in two-room suites with bath.

FORREST HALL: Named in honor of Dr. and Mrs. Fletcher Bliss Forrest and Anna Forrest Burfiendt the parents and sister of Katherine Forrest Mathers whose generosity established the memorial. Mrs. Mathers was a Class of 1928 graduate of Williamsport Dickinson Seminary, and her sister was a 1930 Seminary graduate. Completed in 1968, Forrest Hall accommodates 92 women students in two-room suites with bath.

WESLEY HALL: The oldest men's residence currently in use was completed in 1956. It accommodates 144 students and includes lounges and a recreation area. This building was named in honor of the founder of Methodism.

ASBURY HALL: Named in honor of Francis Asbury, the Father of The United Methodist Church in America. Bishop Asbury, the best known of

the early circuit riders, made his way through the upper "Susquehanna District" in 1812, the same year the Williamsport Academy, now Lycoming College, opened its doors as an educational institution. Completed in 1962, this residence accommodates 154 men.

FRATERNITY RESIDENCE: Also completed in 1962, this building houses five chapters of the national fraternities. The fraternity units are distinct and self-contained and provide, in addition to dormitory facilities for the brothers, lounges and chapter rooms for each group. The fraternities share a large social area on the ground floor.

SKEATH HALL: Named in honor of J. Milton Skeath, faculty member and four-time dean of the institution from 1921 to 1967. Dr. Skeath retired in 1967 as Professor of Psychology Emeritus. The largest dormitory on campus, it was completed in 1965 and accommodates 184 men.



Programs and Rules

Orientation

The orientation program at Lycoming College is designed to help the student entering college for the first time to start this new adventure under the most favorable circumstances. An entirely new concept of courses, class scheduling, and methods of instruction must be assimilated. Adjustments to this new experience are important.

In order to prepare for the beginning of this experience, Lycoming schedules six to eight orientation sessions each lasting two and one half days during the summer. Each new student is required to attend one of these sessions accompanied by at least one parent.

The summer program makes it possible to schedule ample time for academic advisement, placement testing, library orientation, and registration. The college is able to work more satisfactorily with new students in planning programs of study tailored to each student's vocational and academic interests. Each new student completes all preliminaries, including registration, during the summer orientation period. Textbooks are available for purchase and perusal prior to the opening of classes in the fall.

Information regarding the dates of orientation sessions, a typical schedule and a pre-registration form are mailed to each new student admitted to Lycoming College.

Intercollegiate Sports

The college offers an attractive program of intercollegiate athletics and encourages wide participation by its students. It is a member of the National Collegiate Athletic Association, the Eastern Collegiate Athletic Conference and the Northern Division of the Middle Atlantic Conference. Lycoming annually meets some of the top-ranking small college teams in the East in athletic competition. Contests are scheduled with other colleges in football, soccer, basketball, wrestling, swimming, baseball, tennis, golf, and track.

Intramural Athletics

An extensive and diversified program of intramural athletic competition affords opportunity for every student to participate in one or more sports of his own choosing.

Sports for men include touch football, basketball, volleyball, bowling, badminton, table tennis, tennis, softball, golf, wrestling, swimming, horse-shoes, track and field.

Sports for women include competition in basketball, volleyball, bowling, badminton, table tennis, tennis, softball, swimming, field hockey, and archery. Field days are arranged with WAA groups of other colleges and universities during the school year.

Academic Counseling

An advantage of a small college is the rich experience gained by the close association of students and faculty. The counseling program at Lycoming enables students to discuss various academic problems with their instructors, the Dean of the College, and the Dean of Student Services.

As an entering Freshman, the student is assigned to a faculty adviser who meets with him as needed during the year. The Freshman finds his adviser willing to guide and assist in the many problems that confront a new college student.

Psychological Services

The college provides a program of psychological services under the direction of a qualified clinical psychologist.

The Psychological Services Center provides limited diagnostic and psychotherapeutic services to all students desiring help in the solution of emotional and behavioral problems. Under certain circumstances psychological testing is offered. Any student member of the college community desiring either psychological counseling or an informal consultation may use the services of the clinic. Students are charged for therapy extending beyond three sessions.

Study Skills Center

A series of study skills sessions are scheduled as the need arises under professional direction. Groups of six to ten students are enrolled for a series of six to ten hours in each session. They include sessions on reading skills, test-taking, note-taking, psychological blocks to studying, etc.

Reading Improvement Course

A course designed to improve reading skills is offered at various times during the academic year. Skilled instructors teach students how to improve reading speed and comprehension in short courses which span a six-week period—four one-hour periods each week. A student who is deficient in reading skills may sign up for this course on a voluntary basis. The charge is \$50.00. Information is sent to the students during the summer.

Placement Services

The Placement Office, located on first floor of Long Hall, assists the student in each of the following areas:

1. Securing part-time employment on the campus and in the community
2. Providing information about graduate school programs, scholarships, and assistantships
3. Offering information on vocational opportunities, employer literature, job interviews, government service, and other data helpful to seniors

4. Providing information about summer job opportunities
5. The college maintains an active teacher placement service for each education graduate. Each year many districts send representatives to the campus to interview prospective elementary and secondary teachers. Over 3500 positions in the eastern states are listed yearly in the Education Office.

By providing on-campus interviews with selected employers recruiting on college campuses and by sending student credentials to prospective employers, the Placement Office opens broader vocational opportunities to graduates seeking employment.

Provisions for Veterans

Lycoming is fully approved for the educational program for veterans under Federal Public Laws 550, 634, and 894.

Residence

Single students who do not reside at home are required to live in the college residence halls and eat their meals in the college dining room. Special diets cannot be provided. Some junior and senior students are permitted to live off campus when there is a shortage of space in the residence halls. Exceptions to these regulations can be approved only for the purpose of working for room and/or board or living with relatives. Requests for exceptions must be submitted in writing to the Dean of Student Services or the Dean of Women. The petition must include the name of the householder and the address where the student wishes to live.

Members and pledges of social fraternities are required to live in the Fraternity Residence when space is available. All fraternity members eat their meals in the college dining room, except those living in privately owned fraternity houses.

Residents furnish their own linens, towels, blankets, bedspreads, and wastebaskets. Draperies are provided in all womens' residences.

Linens, towels, and blankets may be rented from the Merit Laundry & Dry Cleaning Co. Information is sent to all resident students concerning this service following their assignment to a room.

Women's Residence

Resident women students live in Rich Hall, Crever Hall, North Hall, or Forrest Hall. Rooms are arranged in suites of two rooms with two or three students living in each room. Each suite has private bath facilities.

Located in Rich Hall are the infirmary, recreation room and television room. Laundry facilities are located in all women's dormitories. Lounges and the office for the Head Resident are located on the first floor of each residence hall.

All resident women students are members of the Resident Women's Association of Lycoming College. They establish standards and regulations for community living, in cooperation with the College student personnel staff,

and endeavor to assist each new student in her adjustment to living in a college dormitory. All dormitory activities are under the supervision of the Dean of Women.

Men's Residence

Resident men live in Wesley Hall, Asbury Hall, Skeath Hall and the Fraternity Residence. Upperclassmen have priority in assignment of rooms. Rooms for freshmen are assigned according to the date the reservation fee of \$100.00 is paid following notification of admission.

All rooms are for double occupancy. Rooms are furnished with a single bed, pillow, desk, desk chair, and a dresser for each occupant. The furniture is built into the room, and a light is provided over the desk. Window shades are provided in all rooms. It is advisable to wait until after arriving on the campus to purchase draperies and bedspreads.

Standards of Conduct

The college expects all of its students to accept the responsibility required of citizens in a free democratic society. The rules and regulations of the college are designed to protect the rights of every member of the community against encroachment by individuals. The limitations which are imposed upon the activities of individuals are established for the common good of the entire college community.

Students who are unable to demonstrate that they can accept this responsibility or are antagonistic to the spirit and general purpose of the college, or fail to abide by the regulations established by the college may be dismissed or requested to leave the college at any time. In addition to the regulations published here, specific rules are furnished each student upon matriculation.

The consumption or possession of alcoholic beverages on campus or at any college function is prohibited. Detailed regulations consistent with the laws of the Commonwealth of Pennsylvania are published in the *Handbook of Rules and Regulations*.

Lycoming College does not tolerate the illegal use of drugs by its students. Any student who possesses or uses drugs illegally as defined by the Pennsylvania Drug Device and Cosmetic Act, No. 1664 and its amendments or by the appropriate Federal Government agencies *shall* be dismissed from the college. A student who is dismissed from the college may apply for re-admission after one year when satisfactory evidence is available that the student is able to resume classes without a physical or psychological dependency upon illegal drugs of any nature, either addictive or non-addictive. The illegal provision of drugs by a student to others, either by sale or gift, *shall* result in the expulsion of the student from the college, and no opportunity for re-admission shall be possible.

It is assumed that a willingness to accept these restrictions is implicit in the acceptance of membership in the Lycoming College community.

Gambling, cheating and stealing are totally inconsistent with Lycoming standards. Students who cannot accept the prohibition of such behavior should not apply. Although the adherence to proper conduct is an individual responsibility it is a group responsibility as well. It is incumbent on all Lycoming students that they prevail upon their fellows to conduct themselves honorably for the collective good.

Automobiles

Resident students of the college who are classified as Sophomores, Juniors or Seniors may have and operate motor vehicles in Williamsport and the surrounding area. All such vehicles must be registered with the college. Parking privileges on the campus are limited to those persons with registered automobiles. Freshman resident students are not permitted to operate, or have in their possession, motor vehicles of any nature in Williamsport, or the surrounding area. Exceptions to this rule may be made only for unusual circumstances, and may be granted only upon written petition to the Dean of Student Services.

Firearms

No resident student may keep firearms, ammunition, or explosive devices in the place of his residence or stored in an automobile on the campus. Facilities for storing firearms for hunting and target purposes are available in the Assistant Dean of Men's Office.

Residence Halls

Residence hall students are responsible for the furnishings and the condition of their rooms. Inspection of rooms and their contents is made regularly. Charges will be assessed for damages to rooms, doors, and furniture. Damages in common living areas are the joint responsibility of all residents of the unit.

Residence hall students are expected to vacate their rooms during the vacation periods when the halls are closed and no later than 24 hours following their last examinations except for graduating seniors.

Regulations regarding quiet hours for study are established by the appropriate residence hall councils and are published in the *Residence Halls' Handbook* and on the bulletin boards in the halls.

Money and Valuables

The college accepts no responsibility for loss of valuables due to theft, fire, or other causes. Students may deposit money in the Treasurer's Office. Withdrawals are permitted during office hours.

Marriage

Students who change their marital status are requested to notify the Dean of Men or the Dean of Women prior to their marriage.

Married students may not live in the college residence halls. If a woman student marries while a resident student, she must vacate her room in the residence hall immediately.

Health Services

Medical History and Physical Examination

Each student entering the college is required to submit a medical history record and a physical examination form prior to arriving on the campus. The parent or guardian of each student under 21 years of age must sign the health record which authorizes the college health authorities to give emergency medical treatment according to good medical practice. In the event an operation or other treatment is required for a serious accident or illness, the College Physician will always secure prior parental consent if the circumstances permit.

Exemption from participation in physical activity associated with physical education may be granted only by the College Physician. This exemption is based upon the medical history, report of the student's physician, and a physical examination by the College Physician.

Infirmary Service

The college maintains an infirmary which is staffed with registered nurses twenty-four hours a day seven days a week. The College Physician is on call when needed. Normal medical treatment by the Health Service Staff at the college infirmary is free of charge except for visits over a maximum of three requiring a doctor's services. However, special medications, x-rays, surgery, care of major accidents, immunizations, examinations for glasses, physician's calls other than in the infirmary, referrals for treatment by specialists, and special nursing service, etc., are not included in the infirmary service which is provided free.

Accident and Sickness Insurance

All resident students are required to purchase the Accident and Sickness Group Insurance Plan of the college for the academic year, unless they can present evidence that they are covered under some other health insurance program. Non-resident students may participate in the College Group Insurance Plan on a voluntary basis. If a student becomes ineligible under another plan because of age, he must enter the college program in the semester in which he loses his other coverage. The insurance plan will also be available for a twelve-months' coverage on a voluntary basis for all students. Information concerning the plan and its benefits will be sent to all students during the summer.



COURSES

Courses numbered as noted below generally will be for the level indicated:

Numbers 1- 9	Elementary courses in departments where such courses are not counted as part of the student's major. This applies to such areas as Foreign Languages and Mathematics..
Numbers 10-19	Freshman level
Numbers 20-29	Sophomore level
Numbers 30-39	Junior level
Numbers 40-49	Senior level
Numbers 50-59	Special Advanced Courses
Numbers 70-79	Seminar Study
Numbers 80-89	Independent Study
Numbers 90-99	Independent Study for Departmental Honors

Courses in the 50-59, 70-79, 80-89, 90-99 number series are not listed under each department, but are in effect for each department and represent the particular studies listed opposite the numbers above (that is, seminar study for all departments fall in the 70-79 series, etc.).

Courses not in sequence are listed separately, as:

Introduction to Art	Art 10
Drawing I	Art 11

Courses which imply a sequence are indicated with a dash between, meaning that the first semester must be taken prior to the second, as:

Intermediate French	French 10-11
---------------------	--------------

Courses which the student may elect to take in either order of sequence are listed with a comma, as:

History of Art	Art 22, 23
----------------	------------

Interdisciplinary Courses

LYCOMING SCHOLAR SEMINARS

70-71 Interdisciplinary Seminars

Content varies from year to year. *Open only to freshman Lycoming Scholars.*

72-73 Interdisciplinary Seminars

Content varies from year to year. *Open only to senior Lycoming Scholars.*

THE SOVIET AREA PROGRAM

The Soviet Area Program is an interdisciplinary major designed to offer intensified study of Russia, communism and related matters within the context of the liberal arts.

Required courses are all to be found in the departmental listings and include:

1. Six units of Russian language and/or literature beyond the elementary level.
2. Two units of Russian history
3. Two units of senior seminar
4. Four courses chosen from:
 - Economics 23
 - History 48, 49
 - Political Science 36, 37, 41, 44



ACCOUNTING

Associate Professors: Richmond (*Chairman*), Hollenback

Assistant Professor: King

Instructor: Huber

The purpose of the accounting major is to give the student a thorough foundation in accounting theory, enabling him to enter the profession through public, private or governmental employment. To achieve this, a core of eight unit courses, Accounting 10-11, 20-21, 30-31, 40 and 41, is required. Additional accounting courses beyond Accounting 41 may be selected as electives. All students majoring in Accounting are advised to enroll in Economics 10, 11, 20, 21, Business 20-21, 23, 35, 36 and Mathematics 5.

10-11 Elementary Accounting Theory

An introductory course in recording, classifying, summarizing and interpreting the basic business transaction, including accounting for the single proprietorship, partnership and the corporation. Problems of classification and interpretation of accounts, preparation of financial statements, manufacturing and cost accounting are studied. *3 hours lecture and 2 hours laboratory per week.*

20-21 Intermediate Accounting Theory

An intensive study of accounting statements and analytical procedures with emphasis upon corporate accounts. Price level adjustments, partnerships, joint ventures, installment and consignment sales, branch and home office accounting, and the statement of affairs are among the topics studied. *Prerequisite: Accounting 10-11.*

30-31 Cost and Budgetary Accounting Theory

Methods of accounting for material, labor and factory overhead expenses consumed in manufacturing using job order, process and standard costing are studied. Application of cost accounting and budgeting theory to decision making in the areas of make or buy, expansion of production and sales, and accounting for control are dealt with. *Prerequisite: Accounting 20-21, or consent of the instructor.*

40 Auditing Theory and Practice

The science of verifying, analyzing and interpreting accounts and reports. An audit project is presented, solved and the auditor's report is written. *Prerequisite: Accounting 20-21.*

41 Federal Income Tax Accounting and Planning

Analysis of the provisions of the Internal Revenue Code relating to income, deductions, inventories and accounting methods. Practical problems involving determination of income and deductions, capital gains and losses, computation and payment of taxes through withholding at the source and through declaration are considered. Planning transactions so that a minimum amount of tax will result is emphasized. *Prerequisite: Accounting 10-11 or consent of the instructor.*

42 Federal Income Tax Administration and Planning

An analysis of the provisions of the Internal Revenue Code relating to partnerships, estates, trusts, and corporations. Social Security taxes and Federal Estate and Gift taxes are also discussed. An extensive series of problems is considered and effective tax planning is emphasized. *Prerequisite: Accounting 41.*

43 Contemporary Accounting Problems

Certain areas of advanced accounting theory, including fund accounting, are covered, and problems are taken from past C.P.A. examinations which require a thorough knowledge of the core courses in their solution. The course is intended to meet the needs of those interested in public accounting and preparation for the Certified Public Accountants Examination. *Prerequisite: Accounting 30-31 or consent of the instructor.*

ART

Associate Professor: Chandler (*Chairman*)

Instructors: Ameigh, Shipley

Part-time Instructor: Fetter

The major in Art consists of a balanced program of history of art and studio courses. In addition to the core courses (10, 11, 15, or 16, 20, 21, 22, 23, 30) of the major program, the student will elect one advanced course in art history. Art 25 and 35 may be substituted for Art 20 and 30.

SENIOR EXHIBITION: Art majors will be required to present their better work in a one-man show during their senior year.

10 Introduction to Art

A consideration of the physical basis of the visual arts, the materials and techniques of architecture, sculpture, painting and the minor arts.

11 Drawing I

Study of the human figure with gesture and proportion stressed. Student is made familiar with different drawing techniques and media. Some drawing from nature. Offered in alternate semesters with Drawing II and III.

15 Two-Dimensional Design

The basic fundamentals found in the two-dimensional arts; line, shape, form, space, color, and composition are taught in relationship to the other two-dimensional arts. Perceptual theories and their relationships to what and why we see what we see in art is discussed with each problem.

16 Three-Dimensional Design

An introduction to the uses of form and materials. Objects will be designed whose form follows function, such as kites; whose form follows expressive intent, such as plaster constructions or movie films.

20 Painting I

An introduction of painting techniques and materials. Coordination of color, value, and design within the painting is taught. Some painting from the figure. No limitations as to painting media, subject matter or style. *Prerequisite: Art 15.*

21 Drawing II

Continued study of the human figure. Emphasis is placed on realism and figure-ground coordination with the use of value and design.

22, 23 History of Art

The development of the visual arts from prehistoric days to the present. First semester: Prehistoric to the Italian Renaissance. Second semester: the Italian Renaissance to Contemporary Art.

24 American Art

The visual arts in American life from the seventeenth century to the present, with emphasis on Pennsylvania's contribution to the development of American art. Slides and films will be used to illustrate the lectures. Visits to the local museum and other places of art interest in the area.

25 Sculpture I

An introduction to the techniques, materials, and ideas of sculpture. Clay, plaster, wax, wood and other materials will be used. The course will be concerned with ideas about sculpture as expression, and with giving material form to ideas.

30 Painting II

Emphasis is placed on individual style and technique. Artists and movements in art are studied. No limitations as to painting media, subject matter, or style.

31 Contemporary Art

The contemporary idiom in the visual arts. Divergent trends as revealed by a study of some of the well-known contemporary artists, their lives, and works. Emphasis on the men who have made a distinct contribution to the origin and development of the new ideas in the field of art today. Films and slides will be used to illustrate the lectures.

32 Great Painters

A detailed study of the works of great painters, such as Giotto, Botticelli, Raphael, Titian, Tintoretto, El Greco, Dürer, Velasquez, Rembrandt, Watteau, Goya, Renoir, Van Gogh, Picasso.

35 Sculpture II

A continuation of Art 25 or Art 16, with emphasis on independent projects and more complex technique. Casting of bronze and aluminum sculpture will be done in the school foundry. *Prerequisite: Art 16 or 25.*

40 Painting III

Professional quality is stressed. There is some experimentation with new painting techniques and styles.

41 Drawing III

Continued study of the human figure. Individual style and professional control of drawing techniques and media are now emphasized.

43 Great Sculptors

A study of the origins and purposes of sculpture; comparisons of works from different societies and individuals. Slides and field trips to museums will augment the course.

BIOLOGY

Associate Professors: Morehart (*Chairman*), Kelley

Assistant Professors: Angstadt, Rogers, Sherbine

Instructor: Green

Part-time Instructor: Stebbins

The major in Biology consists of eight units. Courses numbered 20-21, 30-31 are required. All students majoring in Biology are required to include one year of Chemistry and one year of Mathematics.

10-11 Principles of Biology

An investigation of biological principles including ecological systems, form and function in selected representative animals and plants, cell theory, molecular biology, reproduction, inheritance, adaptation, and evolution.

20-21 Descriptive Biology

Comprehensive study of selected, representative Protista, Fungi, lower and higher plants, invertebrates and vertebrates. Emphases are given to morphology, anatomy, and taxonomy. Two lectures and two two-hour laboratories per week. *Prerequisite: Biology 10-11 or equivalent as determined from the high school record.*

30-31 Physiological Biology

A study of physiological processes in cells including photosynthesis, digestion, and respiration. Physiochemical fundamentals are stressed as are applications to the physiology of fungi, plants, invertebrates and vertebrates. Three hours lecture and one three-hour laboratory per week. *Prerequisite: Biology 20-21.*

40 Microbiology

A study of micro-organisms: bacteria, viruses, protozoa, and fungi. Emphasis is given to the identification and physiology of micro-organisms as well as to their role in disease, their economic importance and industrial applications. *Prerequisite: Biology 30.*

41 Genetics

The principles of inheritance and their applications to human biology and to the improvement of plants and animals. *Prerequisite: Biology 30.*

42-43 Environmental Biology

Investigation into basic principles of biological organization, including the biosphere, ecosystem, and population. Local terrestrial and aquatic ecosystems are studied throughout, supported by considerable field work. *Prerequisite: Biology 30-31.*

44 Vertebrate Embryology

A study of the development of vertebrates from the fertilized eggs to the fully formed embryo. *Prerequisite: Biology 21.*

45 Histology-Cytology

A study of cells and tissues. *Prerequisite: Biology 21.*

BUSINESS ADMINISTRATION

Associate Professor: Hollenback (*Chairman*)

Assistant Professor: King

Instructors: Mundy, Sweeney

Lecturer: Larrabee

Part-time Instructor: Kane

The major in Business Administration is designed to train the student in analytical thinking and verbal and oral communication, in addition to educating him in the principal disciplines of business. To this end, a core of eight courses, consisting of Accounting 10-11 and Business 20-21, 30-31, 40

and 41 is required of all majors. Business Administration majors are urged to enroll in Economics 10, 11 and Business 23, 35, 36. Offerings other than the core are intended to add depth in areas of special interest to individual students and may be taken as electives.

Accounting 10-11 is listed under the Department of Accounting.

20-21 Financial Management

Planning, organization and control of the financial aspects of the firm. Development of financial principles and application to specific situations. Sources and uses of funds, costs of funds, profit determination, expansion, reorganization and liquidation. *Prerequisite: Accounting 10-11.*

23 Statistics Applied to Business

Techniques of descriptive statistics useful in business administration and in economic analysis. Topics covered include: sampling, index numbers, analysis of time series, analysis of variance, and sample survey techniques. *Prerequisite: Math 5.*

30-31 Marketing Management

Planning, organization and control of the distribution activities of the firm, and an analysis and evaluation of the marketing system, its institutions and processes. Application of marketing principles and the development of strategies for specific marketing problems. Product, channel flow, promotion and pricing strategies explored. Readings, cases and games.

32 Sales Promotion

Nature and scope, methods and effects of promotion. Techniques of analysis and control in the use of advertising, personal selling and publicity as tools in developing business strategy.

33 Investments

Analysis of the leading types of investments available to the individual and the firm. Use of forecasting methods, financial reports and financial indicators. Methods of buying and selling securities with a discussion of the agencies involved including brokerage houses and stock exchanges.

34 Insurance

Analysis of the major insurance methods of overcoming risk, including life, accident, health, marine and social insurance. Fidelity and surety bonds. Commercial and government plans.

35 Legal Principles I

Lectures and analysis of cases on the nature, sources and fundamentals of the law in general, and particularly as relating to contracts, agency and negotiable instruments. *Open to juniors and seniors.*

36 Legal Principles II

Lectures on the fundamentals and history of the law relating to legal associations, real property, wills and estates. *Open to juniors and seniors.*

40 Management Concepts

Structural characteristics and functional relationships of a business organization as well as the problems encountered in coordinating the internal resources of a firm. Emphasis on administrative efficiency and plant operation and procedures.

41 Business Policies

Planning, organization and control of business operations, setting of goals, coordination of resources, development of policies. Analysis of strategic decisions encompassing all areas of a business, and the use and analysis of control measures. Emphasis

on both the internal relationship of various elements of production, finance, marketing and personnel and the relationship of the business entity to external stimuli. Readings, cases and games. *Prerequisite: Business 20-21, 30-31, and 40. Seniors only.*

42 Personnel Management

Development of an effective work force. Organization and responsibilities of the personnel department: selection of employees, training, incentives, morale, human relations in business.

43 Retail Management I

Planning, organization and control of the retail enterprise. Location, layout, administrative organization, buying, selling, pricing, inventory techniques and control, and personnel.

44 Retail Management II

History of retailing and emergence of different types of stores in U.S. and Europe. Survey of current issues, and governmental, social and economic forces of concern to the retailer. Retailing principles applied to specific management situations. Cases and readings. *Prerequisite: Business 43.*

CHEMISTRY

Professor: Radspinner

Associate Professors: Frederick (*Chairman*), Hummer

Assistant Professors: Jamison, Turner

A major in Chemistry requires the completion of the basic courses, Chemistry 10-11, 20-21, 30-31, 32 and 33. In addition, Mathematics 10-11, 20, and 21 and Physics 10-11 are required. Additional courses in Chemistry, Mathematics, Physics or Biology may be chosen to meet the needs of the individual student. German, Russian, or French is recommended.

10-11 General Chemistry

A systematic study of the fundamental principles of chemistry, atomic and molecular structure, and the properties of the more important elements and their compounds. Quantitative relations are stressed through problem solving and laboratory experiments. Approximately one half of the second semester laboratory work is devoted to qualitative analysis. *Three hours lecture, one hour discussion, and one three-hour laboratory period each week.*

20-21 Organic Chemistry

A systematic study of the compounds of carbon including both aliphatic and aromatic series. The laboratory work introduces the student to simple fundamental methods of organic synthesis, isolation, and analysis. *Three hours lecture and one four-hour laboratory period each week. Prerequisite: Chemistry 10-11.*

30-31 Physical Chemistry

A study of the fundamental principles of theoretical chemistry and their applications. The laboratory work includes techniques in physiochemical measurements. *Three hours lecture and one four-hour laboratory period each week. Prerequisite: Chemistry 10-11, Mathematics 20, 21, and Physics 10-11.*

32 Quantitative Analysis

A study of the fundamental methods of gravimetric, volumetric, and elementary instrumental analysis together with practice in laboratory techniques and calculations of these methods. *Two hours lecture and two three-hour laboratory periods each week. Prerequisite: Chemistry 10-11.*

33 Advanced Inorganic Chemistry

A study of modern theories of atomic and molecular structure and their relationship to the chemistry of selected elements and their compounds. *Three hours lecture and one four-hour laboratory period each week. Prerequisite: Chemistry 30, Mathematics 20, 21 and Physics 10-11.*

40 Advanced Organic Chemistry

Selected topics, including mechanisms of organic reactions, biosynthesis, detailed structure and chemistry of natural products, polynuclear hydrocarbons, and aromatic heterocyclics. *Three hours lecture each week. Prerequisite: Chemistry 20-21.*

41 Qualitative Organic Analysis

Practice in the systematic identification of pure organic compounds and mixtures. *Two hours lecture and two three-hour laboratory periods each week. Prerequisite: Chemistry 20-21.*

42 Advanced Physical Chemistry

Selected topics in theoretical chemistry, including elementary group theory as applied to chemical bonding, quantum mechanics, and statistical mechanics. *Four hours lecture each week. Prerequisite: Chemistry 30-31 and 33.*

43 Advanced Analytical Chemistry

A study of advanced analytical methods with emphasis on separation techniques such as chromatography and ion exchange, electrochemical, and optical methods of analysis. *Three hours lecture and one four-hour laboratory period each week. Prerequisite: Chemistry 30-31 and 32.*

ECONOMICS

Professor: Rabold (*Chairman*)

Assistant Professor: Opdahl

Instructor: Fisher

Economics courses numbered 10, 11, 20, 21, 30, 31, 40, and 70 constitute the core of the major. Specific interests and talent will determine which courses beyond the core shall be selected. Students will plan their programs with the advice and consent of the major advisor. Elementary accounting is recommended for majors specializing in business economics. Statistics is recommended for all majors. Students considering graduate school should schedule mathematics through differential equations.

10, 11 Principles of Economics

An introduction to the problem of scarcity; to the economic thought, principles, institutions, and systems to which the problem has given rise.

20, 21 Money and Banking

A study of money and credit, commercial banking structure and operation, the development of United States monetary and central banking systems, monetary theory, monetary policy, and international financial relationships. *Prerequisite: Economics 10, 11.*

22, 23 Comparative Economic Systems

The economic development and comparative analysis of contemporary economic systems, particularly capitalism, socialism, and communism.

30, 31 Intermediate Economic Analysis

An analysis of contemporary value, distribution, and income theory. First semester is micro-economics; second is macro-economics. *Prerequisite: Economics 10, 11.*

32 Government and the Economy

An analytical survey of the areas of contact of government at all levels with the American economy, especially in the areas of anti-trust legislation and public utilities. *Prerequisite: Economics 10, 11 or consent of the instructor.*

35 Labor Problems

The development of labor unions, particularly in the United States; consideration of the evolution of labor and wage theories, labor legislation, and contemporary issues of labor-management relations. *Prerequisite: Economics 10, 11.*

40 History of Economic Thought

A discussion of the origins, development, and significance of the economic ideas embodied in the works of Smith, Marx, Schumpeter, Keynes, and others. *Prerequisite: Economics 10, 11, or consent of instructor.*

42 Introduction to Econometrics

Econometrics consists of the mathematical formulation of economic theories and the use of statistical techniques to verify or reject the theories. Concerned with quantitative predictions, measurement, and statistical tests of predictions. *Prerequisite: Economics 30, 31, Statistics.*

43 International Trade

A study of the principles, theory, development, and policies concerning international economic relations, with particular reference to the United States. *Prerequisite: Economics 10, 11.*

44 American Economic Development

A study of the economic development of the United States from colonial times to the present. An integration of historical analysis and economic theory. *Prerequisite: Economics 10, 11 or consent of instructor.*

45 Development of Underdeveloped Nations

A study of the theories and problems of capital accumulation, allocation of resources, technological development, growth, planning institutions and international relations encountered by the developing nations.

70 Senior Seminar

The application and integration of economic principles to the analysis and solution of current economic issues via the medium of guided discussion. *Open only to senior economics majors.*

EDUCATION

Associate Professors: Campbell (*Chairman*), Zimmerman

Assistant Professors: Conrad, Schaeffer

Part-time Instructors: Fetter, Lansberry, Williams

Education courses numbered 20 and 24 are prerequisites to all other offerings in the Education Department. Students seeking elementary certification must also complete education courses numbered 30, 40, 41, 42 as prerequisites to the Professional Semester, which includes courses numbered 38, 47, and 58. Students seeking secondary certification must complete all requirements of their major in addition to the Professional Semester, which includes courses numbered 46, 47, and 59. Lycoming College is approved by the Department of Public Instruction in Pennsylvania to certify secondary teachers in the following areas—English, French, German, Russian, Spanish, Mathematics, Biology, Chemistry, Political Science, and History.

Students planning to pursue requirements for teacher certification should seek counseling from a member of the Education Department and register their intentions by the end of their fifth semester.

12-13 Introduction to Music for Elementary Teachers

A basic presentation of the elements of music with special emphasis on methods and materials of music in the elementary classroom. Prospective elementary teachers should elect Introduction to Music 12-13.

14 Design for Elementary Teachers

A course designed to give each student the opportunity to explore in his own creative style, ideas, techniques and methods for involving children in expressive activities through the use of a wide range of media in the making of prints, puppets, pictorial and design projects, simple modeling, mosaics, plaster casting, weaving and stitchery projects, simple jewelry and gift crafts, lettering projects, mobiles and stabiles and other three-dimensional designs created from scrap materials. Prospective elementary teachers should elect Design 14.

20 Introduction to Education and History and Philosophy of Education

The social value of public education, the changing conception of the purposes of education, the problems facing the schools, and the fields of professional activity. A study of the economic, social, political, and religious conditions which have influenced the different educational programs and philosophies, with emphasis being placed on the American educational system.

24 Educational Psychology

Psychology of learning and teaching processes, child development, individual differences, and psychology of adjustment as related to education from birth to adolescence. Includes study of actual classroom problems and procedures.

30 The Psychology and Teaching of Reading in the Elementary School

A background course in the psychological, emotional, and physical bases of reading. A study of the learning process as it applies to reading, child development and the curriculum. The development of a reading program from the beginning (readiness) through principles, problems, techniques, and materials used in the total elementary

schools. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

32 Instructional Media and Communications

A study of the value, design, construction, and application of the visual and auditory aids to learning. Practical experience in the handling of audio-visual equipment and materials is provided. Application of Audio-Visual Techniques. Application of the visual and auditory aids to learning. Students will plan and carry out actual teaching assignments utilizing various A-V devices.

38 Methods of Teaching in the Elementary School (Part of the Professional Semester)

A study of materials and methods of teaching with emphasis on the selection of suitable curricular materials. Students will teach demonstration lessons in the presence of the instructor and members of the class. Observation of superior teachers in elementary schools of the Greater Williamsport Area.

39 Public School Curriculum

An examination of the various curricula of the public schools and their relationship to current practices. Special attention will be given to the meaning and nature of the curriculum; the desirable outcomes of the curriculum; conflicting and variant conceptions of curricular content; modern techniques of curricular construction; criteria for the evaluation of curricula; the curriculum as a teaching instrument. Emphasis will be placed upon the curriculum work within the teaching field of each individual.

40 Language Arts and Arithmetic

a. Language Arts for Elementary Teachers

This course is designed to consider the principles, problems, materials and techniques of teaching English, spelling, penmanship, choral speaking, and children's literature.

b. Arithmetic for Elementary Teachers

Arithmetic Methods and Materials. A study of objectives, materials, and methods of instruction; the organization of learning experiences, and evaluation of achievement in the elementary school.

41 History and Geography

a. History for Elementary Teachers

History Methods and Materials. A study of the principles underlying the use of history in the elementary school. Practical applications and demonstrations of desirable method.

b. Geography for Elementary Teachers

Geography Methods and Materials. Acquainting the students with the social learnings and modifications of behavior that should accrue to elementary school children with subject matter and related material used in the various grade levels. Experience in planning and organizing integrated teaching units using texts, reference books, films, and other types of teaching materials.

42 Science, Health, Safety and Physical Education

a. Science for Elementary Teachers

Science Methods and Materials interpreting children's science experiences and guiding the development of their scientific concepts. A briefing of the science content of the curriculum, its material and use.

b. Health, Safety and Physical Education for Elementary Teachers

An introduction to the methods of teaching children's games and dances, first aid, preservation of health, prevention of accidents, and the development of good health habits.

- 46 Methods of Teaching in the Secondary School** (Part of the Professional Semester)
A study of materials, methods, and techniques of teaching with emphasis on the student's major. Stress is placed on the selection and utilization of visual and auditory aids to learning. Students will teach demonstration lessons in the presence of the instructor and the members of the class and will observe superior teachers in the secondary schools of the Greater Williamsport Area.
- 47 Problems in Contemporary American Education** (Part of Professional Semester)
Seminar in the issues, problems and challenges encountered by teachers in the American public schools.
- 58 Practice Teaching in the Elementary School** (Part of the Professional Semester)
Two Units. Exceeds state mandated minimum requirement. Professional laboratory experience under the supervision of a selected cooperating teacher in a public elementary school of the Greater Williamsport Area. Organized learning experiences. Actual classroom experience.
- 59 Practice Teaching in the Secondary School** (Part of the Professional Semester)
Two Units. Exceeds state mandated minimum requirement. Professional laboratory experience under the supervision of a selected cooperating teacher in a public secondary school of the Greater Williamsport Area. Organized learning experiences. Emphasis on actual classroom experience, responsibility in the guidance program and out-of-class activities.

ENGLISH

Professors: Graham (*Chairman*), Byington, Stuart

Associate Professor: Wall

Assistant Professors: Bayer, Garner, Jensen

Madden, McAuley

Part-time Instructor: Kamber

The major in English has a minimal requirement of eight unit courses in addition to English 10 and 11. All English majors are required to take English 20 and 21 and English 34 and 35. English majors in the secondary education curriculum are required to take English 20, 21, 34 and 35 *as well as* English 46 and English 47.

- 10 Rhetoric**
Instruction and carefully supervised practice in the basic techniques of organizing and expressing facts and ideas. The topic or topics dealt with are selected by the instructor.
- 11 Introduction to Literature**
A study of the basic elements of the major literary genres: short story, novel, drama, poetry.
- 20 Survey of British Literature I**
A survey of the major movements and authors from their beginnings to 1798.
- 21 Survey of British Literature II**
A survey of the major movements and authors from 1798 to the present.

28 Introduction to Imaginative Writing

The first part of this course is directed toward the establishment among students of a critical vocabulary and an examination of structures and techniques in modern fiction and poetry. A substantial part of class time is devoted to "workshop"—constructive criticism of students' work by the students themselves, under direction of the instructor. *Prerequisite: Permission of the instructor.*

29 Medieval British Literature

A study of major authors and types of literature from the Old and Middle English periods, with Chaucer as the central figure. Attention is given to continental works influencing the development of British literature. *Prerequisite: English 20 or the permission of the instructor.*

30 Shakespeare I

A study of the principal histories, comedies, and early tragedies. *Open only to juniors and seniors.*

31 Shakespeare II

A study of the major tragedies. *Prerequisite: English 30 or permission of the instructor.*

32 16th Century British Literature

A study of selected non-dramatic works of major authors (More, Wyatt, Sidney, Spenser, Shakespeare, Marlowe, etc.), with a primary focus on literary types and themes and their relationship to the intellectual milieu of the English Renaissance, including continental influences. *Prerequisite: English 20 or the permission of the instructor.*

33 Elizabethan and Jacobean Drama

A study of representative plays by major dramatists (Marlowe, Jonson, Webster, Ford, Beaumont and Fletcher, etc.), exclusive of Shakespeare. Attention is given to the development of British drama from its origin to the closing of the theatres in 1642. *Prerequisite: English 20 or the permission of the instructor.*

34 Survey of American Literature I

A survey of the major traditions and authors in American literary history from Puritanism to Walt Whitman.

35 Survey of American Literature II

A survey of the major traditions and authors in American literary history from Mark Twain to the present.

36 17th Century British Literature

An intensive study of selected major authors (such as Donne, Herbert, Jonson, Milton, etc.) and their relationship to the various intellectual climates of opinion in the age. *Prerequisite: English 20.*

37 18th Century British Literature

A study of various authors (Pope, Swift, Fielding, Goldsmith, etc.) and genres of the period, with attention to the main currents of thought in the century. *Prerequisite: English 20.*

38 Form and Theory of Fiction

An advanced course for those who have taken the introductory course (others may be admitted on merit) and who wish to concentrate on writing fiction. The first part of the course is devoted to the short story, the second part concerns the novel, and the final weeks cover theories of style and form in contemporary fiction. Class work includes some discussion of students' work.

39 Form and Theory of Poetry

An advanced course for those who have taken the introductory course (others may be admitted on merit) and who wish to specialize in poetry. Course work includes the historical background in prosody, an intensive study of meter, a survey of poetical forms and studies in the theory of poetics. Some discussion of students' work is included in the course.

40 The Romantic Period, 1780-1832

A study of the various meanings of "romanticism," and the literary, philosophical, and historical significance of the Romantic Movement. Emphasis is given to the poetry of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. *Prerequisite: English 21 or permission of the instructor.*

41 The Victorian Period, 1832-1900

A study of themes and techniques in the poetry and prose of the major writers of the period. Attention is given to the Victorian conceptions of science, religion, and politics which shaped the literary developments in this period. Authors included: in poetry—Tennyson, Browning, Arnold, Rossetti, Swinburne, Hardy, Hopkins; in non-fiction prose—Carlyle, Newman, Mill, Ruskin, Arnold, Huxley, and Pater. *Prerequisite: English 21 or permission of the instructor.*

42 Advanced Exposition

Theory and practice in critical, analytical and interpretive writing. Projects in the student's special field of interest. Guidance through roundtable discussion and individual conferences. *Open only to juniors and seniors. Permission of the instructor for non-English majors.*

43 Advanced American Literature

The content of this course will vary from year to year, as the focus of attention shifts from one subject of American literary history to another. *Prerequisite: English 34 or 35 (whichever is appropriate to the content of the course) or permission of the instructor.*

44 20th Century British Literature I, 1900-1930

A study of representative works in all major types of literature, from the end of the Victorian era through the twenties.

45 20th Century British Literature, II, 1930-1960

A study of representative works in all major types of literature, from the decade preceding World War II to the present.

46 History of the English Language

The development of English from its Indo-European origins through the Old, Middle, and Modern periods. *Knowledge of a second language desirable.*

47 Structure of English

An inductive study of the structure and functional patterns of American English as seen in the light of recent research. *This course is open to and would be valuable for the majors of any department.*

48, 49 World Literature

A study of literary masterpieces of continental European civilization, in two independent semesters. The first deals with the ancient world, the Middle Ages, and the Renaissance; the second deals with the Enlightenment to modern times. *Not open to freshmen.*

FOREIGN LANGUAGES AND LITERATURES

Professor: Kadler

Associate Professors: Flam (*Chairman*), Gillette, Guerra, Maples

Assistant Professors: Brost, Mancing, Urbrock, Winston

Lecturer: Rennert

FRENCH, GERMAN, RUSSIAN AND SPANISH are offered as major fields of study. The major consists of at least eight course units, exclusive of courses numbered 1-2. Passing units numbered 30, 31, 33, 34 and one numbered 40 or above is required of all majors who wish to be certified for teaching. An oral and written proficiency examination is to be passed by all majors during their senior year, at which time they are expected to have acquired a respectable fluency in the language, knowledge of its literary masterpieces, and a degree of familiarity with the culture of its speakers. A two-year study of a second foreign language is recommended.

CZECH

1-2 Elementary

An introductory course recommended for students who are majoring in Russian or German. Basic conversational patterns and reading of graded texts. Not offered every year.

FRENCH

1-2 Elementary

Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.

10-11 Intermediate

Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

20 Advanced

Designed to develop a high degree of aural comprehension and conversational fluency. Directed composition and readings. *Prerequisite: French 10-11 or equivalent.*

22 Appreciation of Style

Stylistic study of selected passages from French Literature. *Prerequisite: French 20 or consent of the instructor.*

30 Applied Linguistics

Study of basic linguistic concepts as a tool for language learning and teaching. Discussion and application of modern language teaching techniques. Designed for future teachers of foreign languages.

31 French Grammatical Structure

Study of intonation, complex grammatical rules and their practical application, and a brief survey of the development of the language. *Recommended for all majors.*

33, 34 Survey of French Literature and Civilization

Designed to acquaint the student with the important periods of French literature, representative authors, and major socio-economic developments. The first course deals with the literature from the medieval period through the 18th century; the second course, from the 19th century to the present. *Required of all majors and open to students majoring in other departments after consultation with the instructor.*

40 French Theater

Lectures on the history of French drama. Study of the leading dramatists, reading and discussion of outstanding plays. *Prerequisite: French 20-21 or equivalent.*

43, 44 The Novel

History of the French novel and *conte*. Lectures, discussions, and papers on works of fiction from all periods. *Prerequisite: French 20-21 or equivalent.*

45 French Poetry

Interpretation of poems from various periods and genres. *Prerequisite: French 20-21 or equivalent.*

47 The French Renaissance

Rabelais, the Poetry of La Pléiade and Montaigne. *Prerequisite: Consent of the instructor.*

48 The Age of Enlightenment

The literary expression of ideas: Montesquieu, Voltaire, Rousseau, and the Encyclopedists. *Prerequisite: Consent of the instructor.*

49 20th Century French Literature

The N.R.F. writers, the Catholic renaissance, surrealism and the contemporary revolt. *Prerequisite: Consent of the instructor.*

GERMAN

1-2 Elementary

Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.

10-11 Intermediate

Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

20 Advanced

Designed to develop a high degree of aural comprehension and conversational fluency. Directed composition and readings. *Prerequisite: German 10-11 or equivalent.*

30 Applied Linguistics

Study of basic linguistic concepts as a tool for language learning and teaching. Discussion and application of modern language teaching techniques. Designed for future teachers of foreign languages.

31 German Grammatical Structure

Study of intonation, complex grammatical rules and their practical application, and a brief survey of the development of the language.

33, 34 Survey of German Literature and Civilization

Selected literature of the Old High and Middle High German periods, of the Late Middle Ages and Baroque. Representative masterpieces of new High German literature beginning with the era of the Enlightenment. *Prerequisite: German 20 or the consent of the instructor.*

41 Classical German Drama

The development of *das klassische Drama* with emphasis on works of Lessing, Goethe and Schiller. *Prerequisite: German 20.*

42 Modern German Drama

The emergence of modern Drama commencing with Büchner and leading to Brecht. *Prerequisite: German 20.*

43 The Novelle

The German Novelle as a genre relating to various literary periods. *Prerequisite: German 20.*

44 Short Forms of German Prose

Readings in *Volksdichtung*, particularly *Märchen*, *Sage*, and *Legende*, and an investigation of their influence on German authors. *Prerequisite: German 33 and/or 34.*

45 German Poetry

A study of selected poems, representing all periods, beginning with the thirteenth century. *Prerequisite: German 33 and/or 34.*

46 The German Novel

The *Roman* in German literature. Important novels from Grimmelshausen to Musil. *Prerequisite: German 33 and/or 34.*

GREEK

New Testament Greek is offered every year and successful completion of these four units satisfies the language requirement for graduation.

1-2 New Testament Grammar

Fundamentals of New Testament Greek grammar.

11 The Gospel According to St. Mark

A critical reading of the Greek text with reference to the problems of higher and lower biblical criticism.

12 The Epistle to the Romans

A critical study of the Greek text with special attention being given to the theology of St. Paul.

RUSSIAN

1-2 Elementary

Basic conversational patterns and syntactical foundations of the language. Laboratory drills. Reading of graded texts.

10-11 Intermediate

Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

20-21 Advanced

Designed to develop a high degree of aural comprehension and conversational fluency. Directed composition and readings. *Prerequisite: 10-11 or equivalent.*

30 Applied Linguistics

Study of basic linguistic concepts as a tool for language learning and teaching. Discussion and application of modern language teaching techniques. Designed for future teachers of foreign languages.

33, 34 Survey of Russian Literature and Civilization

Designed to acquaint the student with the important periods of Russian literature, representative authors, and major socio-economic developments. The first course deals with the literature through Dostoevski; the second starts with Tolstoy. *Required of all majors and open to students majoring in other departments after consultation with the instructor.*

43 Russian Short Story

Study of historical development of the short story form in Russia. Lectures, reports, and class analysis.

47 Soviet Literature

Survey of major literary figures, movements, styles. Revolution and its impact on literature and writers. Revival of the psychological novel, short story, contemporary poetry.

48 Readings in Modern Russian

Representative readings and translation of Soviet periodicals and selected texts in social sciences. Study of current political and social terminology, Soviet idioms.

SPANISH

1-2 Elementary

Basic conversational patterns and syntactical foundations of the language. Laboratory drills, reading of graded texts.

10-11 Intermediate

Systematic review and extension of essential grammar; laboratory drills in syntax and idioms. Reading of expository prose.

20 Advanced

Designed to develop a high degree of aural comprehension and conversational fluency. Directed composition and readings. *Prerequisite: 10-11 or equivalent.*

30 Applied Linguistics

Study of basic linguistic concepts as a tool for language learning and teaching. Discussion and application of modern language teaching techniques. Designed for future teachers of foreign languages.

31 Spanish Grammatical Structure

Study of intonation, complex grammatical rules and their practical application, and a brief survey of the development of the language.

33,34 Survey of Spanish Literature and Civilization

Designed to acquaint the student with the important periods of Spanish literature, representative authors, and major socio-economic developments. The first course deals with the literature from the beginning through the 17th century; the second course from the 18th century to the present. *Required of all majors and open to students majoring in other departments after consultation with the instructor.*

35,36 Survey of Spanish American Literature and Civilization

Designed to acquaint the student with the important periods of Spanish-American Literature, representative authors, and major socio-economic developments. The first course deals with the literature from the discovery through the advent of Modernism; the second course from Modernism to the present.

43-44 Spanish Literature of the Golden Age

A study of representative works and principal literary figures. The first course deals with the major poets (Garcilaso, Fray Luis, San Juan, Cóngora, Lope, and Quevedo) and dramatists (Lope, Tirso, Alarcón, and Calderón) of the 16th and 17th centuries; the second course, with the main currents in prose fiction, culminating in Cervantes and *Don Quijote*.

46 Romanticism

A study of the Romantic movement in Spain with emphasis on the major poets, dramatists and *costumbristas*. *Prerequisite: Consent of the instructor.*

47 19th Century Novel

The "rebirth" of the Spanish novel: regionalism, realism, and naturalism in prose fiction, with emphasis on the works of Galdós. *Prerequisite: Consent of the instructor.*

48 The Generation of '98

A study of the major literary figures of the early 20th century: Unamuno, Azorín, Valle Inclán, Baroja, Benavente, Machado, Jiménez, etc. *Prerequisite: Consent of the instructor.*

49 Spanish American Novel

Selected readings in the novel with emphasis on the "classics": Azuela, Gallegos, Guiraldes, and Rivera. *Prerequisite: Consent of the instructor.*

GEOLOGY

10 Physical Geology

A systematic consideration of the forces, processes and materials which are largely responsible for the more familiar land forms. Developed through lecture-discussion, laboratory, and field sessions. *Offered Summer 1970 only.*

11 Historical Geology and Astronomy

The course is introduced through a brief outline of descriptive astronomy with particular regard for the origin of the earth. Thereafter, the principles of physical geology and sedimentation are applied in the interpretation of the rock record. Special attention is given to development trends as they are revealed by fossils. *Offered Summer 1970 only.*

HISTORY

Professors: Priest (*Chairman*), Ewing, Gompf

Assistant Professor: Piper

Instructor: Larson

Part-time Instructor: Wright

The minimum requirement for a major is the completion of ten courses (including History 10, 11). Many of the courses numbered in the 30's and 40's will be offered only in alternate years. All History majors in the secondary educational curriculum are required to take History 20, 21 and all of these who expect to apply for Pennsylvania certification must also take History 39.

10, 11 Modern World

An examination of the political, social, cultural and intellectual experience of the peoples of Europe and their relations with other areas of the world from the close of the fifteenth century to the present day. First semester, 1500 to 1815; second semester, 1815 to the present.

20, 21 United States History

A study of the men, measures and movements which have been significant in the political, economic and social development of the United States. First semester, to 1865; second semester, 1865 to the present.

28 American Negro History

A study centering on the Negro's place in American History through World War II.

30, 31 The Ancient World-Medieval Europe

First semester: A brief examination of the origins of civilization in the ancient Near East, followed by a more detailed study of the history of ancient Greece and of the Roman Republic and Empire. Second semester: The disintegration of ancient civilization, the rise of medieval civilization, and the course of the latter to the opening of the sixteenth century.

32, 33 The World of the Twentieth Century

An examination of recent history with a view to discerning and assessing those forces in the various geographic and cultural areas of the world which are significant in the contemporary political and social scene. *Prerequisite: History 10, 11.*

34, 35 American Foreign Relations

A study of the course of relations of the United States with foreign nations from independence through World War I during the first semester followed by a detailed study of the formulation and application of American foreign policies from 1919 to the present during the second semester.

36 Age of the Renaissance

The intellectual, literary, and aesthetic aspects of the Italian Renaissance and the Trans-Alpine Renaissance considered in their relationship to the political, economic, and social developments of the fourteenth, fifteenth, and sixteenth centuries.

37 Age of the Reformation

A study of the antecedents, character, and course of development of the Reformation and of the roles of Roman Catholicism and Protestantism in the history of Europe during the sixteenth century and the first half of the seventeenth century.

38 Civil War and Reconstruction

Emphasis is placed on the events leading up to the war, the various campaigns of the war, and the return to peacetime activity.

39 Pennsylvania History

A comprehensive account of the history of Pennsylvania from colonial to modern times.

40, 41 Colonial America—The American Revolutionary Era

First semester, the history of the English colonies in mainland America to 1763. Second semester, an intensive study of the period from 1763 to 1789 with primary attention devoted to the American Revolution, the Confederation Government, and the Constitution of the United States.

42, 43 American Social and Intellectual History

The rise and development of the various phases of American social and intellectual experience from colonial settlement to the present. *Admission only by consent of the instructor.*

44, 45 History of England

A survey of British history with emphasis on constitutional development. First semester, to the end of the 17th century Revolution; second semester, from the Revolution Settlement.

46, 47 History of Russia

First semester, a survey of Russian history from its origins to the eve of the Russian Revolution of 1917, with special emphasis on the revolutionary-intellectual traditions and the growth of Marxism. Second semester, the Revolution and the ensuing Soviet period to the present.

48 History of World Communism

A study of the communist ideologies, movements and revolutions in the modern world 1917 to the present. This will be preceded by a survey of Marxist, anarchist and other revolutionary labor movements in the West.

49 History of the Far East

A one-semester survey of the modern Far East. The unifying theme of the course will be the origins and development of Chinese communism. This will be studied in the broader context of traditional Chinese culture, the impact of Western imperialism, the Chinese Revolution of the twentieth century, and China's relations with her neighbors.

MATHEMATICS

Professor: Skeath (*Chairman*)

Assistant Professors: Feldmann, Getchell, Hemminger, Killeen

Instructors: Lambert, Sausman

Part-time Instructor: Alford

The major in Mathematics consists of ten unit courses numbered 10 or above including Mathematics 10-11, 20 and Mathematics 34-35. It is recommended that mathematics majors in secondary education elect Mathematics 24.

1 Algebra and Trigonometry

(Does not count for those needing only two semesters of mathematics to satisfy the mathematics requirement.) Factoring, fractions, exponents, radicals, linear and quadratic equations; trigonometric functions, identities, equations, logarithms.

2 Modern Mathematics

This course is recommended for students seeking certification as elementary school teachers. Topics included are methods of mathematical reasoning, systems of numeration, the structure of the real number system and its major subsystems.

3 Introduction to Calculus

A non-theoretical introduction to derivatives and integrals with applications. *Prerequisite: Satisfactory achievement on placement test in Mathematics 1.*

4 Introduction to Probability

Introduction to sets, probability in finite sample spaces, sophisticated counting, random variables, and binomial distribution, with some applications.

5 Introduction to Statistics

Describing distributions of measurements, probability and random variables, binomial and normal probability distributions, statistical inference from small samples, linear regression and correlation, analysis of enumerative data.

8 Computer Science

A study of mathematics relevant to computing. A survey of machine and symbolic programming. Introduction to FORTRAN IV programming.

9 Computer Problem Solving

Survey of computer techniques including linear programming, simulation, programming systems and introduction to PL/1. *Prerequisite: Math 8 or permission of instructor.*

10-11 Analytical Geometry and Calculus I-II

Study of graphs of functions, properties of conic sections, polar coordinates, ideas of limits and continuity, differentiation and integration of algebraic transcendental functions, vectors.

20 Analytical Geometry and Calculus III

Study of convergent and divergent series, solid analytic geometry, partial differentiation, multiple integration. *Prerequisite: Mathematics 11.*
Any course numbered above 20 has the prerequisite of Math 20.

21 Differential Equations

Methods of solving differential equations, including solving using Laplace transforms, with applications.

24 Foundations of Mathematics

This course is recommended for mathematics majors in the secondary education curriculum. Topics include the nature of mathematical systems, essentials of logical reasoning, and axiomatic foundation of set theory and transfinite induction.

30 Topics in Geometry

An introduction to projective geometry using both synthetic and analytic methods. The geometries derived from projective geometries are introduced.

31 Introduction to Numerical Analysis

Study and analysis of tabulated data leading to interpolation, numerical solution of equations and systems of equations, numerical integration. *Prerequisite: Mathematics 21.*

32-33 Mathematical Statistics I-II

A study of probability, discrete and continuous random variables, expected values and moments, sampling, point estimation, sampling distributions, interval estimation, tests of hypotheses, regression and linear hypotheses, experimental design models.

34-35 Modern Algebra I-II

An introduction to rings, ideals, integral domains, fields, groups, vector spaces, linear transformations, matrices and determinants.

40 Applied Mathematics

Topics selected from Fourier Series, Bessel functions, partial differential equations, vectors. *Prerequisite: Mathematics 21.*

41 Introduction to Topology

An introduction to metric spaces, abstract topological spaces, mappings, completeness, compactness, connectedness.

42-43 Advanced Calculus I-II

An introduction to vector analysis, the calculus of several real variables, functions of complex variables and infinite series. *Prerequisite: Mathematics 21.*

MUSIC

Professor: McIver

Associate Professors: Morgan (*Chairman*), Russell, Sheaffer

Minimum requirements for the major in Music consist of eight unit courses beyond 10 and 11, in Theory, History and Literature, and Applied Music. Each major must study both a principal and a secondary applied area each semester.

10-11 Introduction to Music

A basic course designed to acquaint the student with the nature of music. Extensive guided listening is used to help the student to become perceptive. *Class meets four times a week with particular sessions being used for guided listening. Required of majors who need additional background.*

23-24 Music Theory I and II

An integrated course in musicianship including sight singing, ear training, written and keyboard harmony. *Class meets five times each week.*

33-34 Music Theory III and IV

A continuation of the integrated course moving toward newer uses of musical materials. *Class meets five times each week. Prerequisite: Music 23-24.*

35 Music History and Literature to J. S. Bach

A survey of the history of music from antiquity to the beginning of the 18th century with emphases on nonmensural chant, the beginnings of harmony and counterpoint and the development moving through the "Golden Age" to the dramatic and instrumental music of the early and middle Baroque. *Class meets four times each week. Prerequisite: Music 10-11.*

36 Music History and Literature of the 18th Century

Emphasizing the achievements of the late Baroque and the great classical age of the late 18th century, the course is largely concerned with the lives and works of four great composers: Bach, Handel, Haydn, and Mozart. *Class meets four times each week. Prerequisite: Music 10-11.*

45 Music History and Literature of the 19th Century

Consideration is given to the lives and works of such men as Beethoven, Chopin, Schubert, Brahms, Wagner, and Debussy, as well as to the romantic and impressionistic tempers in art. Representative works are studied from the art song, the small character piece for the piano, the sonata, the symphony, the concerto and from German and Italian opera. *Class meets four times each week. Prerequisite: Music 10-11.*

46 Music History and Literature of the 20th Century

Beginning with Richard Strauss and Sibelius, the course familiarizes the student with the works of such moderns as Stravinsky, Bartok, Prokofief, Shostakovich, Barber, Copland, Menotti and Stockhausen. Considerable attention is given to a study of the modern symphony and 20th century opera as a reflection of the age. Atonality and expressionism are explored. *Class meets four times each week. Prerequisite: Music 10-11.*

APPLIED MUSIC

The study of performance in Piano, Voice, Organ, Brass, Woodwinds, and Percussion is designed to develop sound technique and a knowledge of the appropriate literature. Frequent student recitals offer opportunity to gain experience in performance. Music majors or other qualified students in performance may present senior recitals.

*Private or Class Instruction in:

- 60C or 60P Piano
- 61C or 61P Voice
- 62C or 62P Strings
- 63C or 63P Organ
- 64C or 64P Brass
- 65C or 65P Woodwinds
- 66C or 66P Percussion

*C—class P—private

67 Piano Ensemble

A course designed to explore piano literature for four and eight hands. *Required of piano majors. Open to any qualified student. Class meets three times each week.*

68 Vocal Ensemble

Herein opportunity is presented for any student possessing at least average vocal talent to study choral technique. Emphasis is placed upon tone production, diction and phrasing. *Required of voice majors. Open to any qualified student. Class meets four times each week.*

69 Instrumental Ensemble

A course open to any qualified student. Emphasis is directed toward developing fine ensemble music through a study of group instrumental procedures. *Required of instrumental majors. Class meets four times each week.*

PHILOSOPHY

Associate Professors: Mucklow, Faus

Assistant Professors: Herring (*Chairman*), Harder, Schultz

The major in philosophy consists of eight unit courses, including Philosophy 28 (which is to be taken in the Sophomore year) and 30-31 (which is normally to be taken in the Junior year).

Students electing the Philosophy distribution option must take Philosophy 10 and one other Philosophy course; except upon the consent of the department, this other course will not be 28, 31, or 38.

10 Introductory Seminar

An inquiry, carried on by discussions and short papers, into a few selected philosophical problems. The problems examined vary with the instructor; typical examples are: What is a scientific explanation? Are standards of conduct relative? Readings in philosophical classics and contemporary books and articles. Enrollment in freshman sections is normally limited to fifteen students.

16 General Logic

A general introduction to topics in logic and their application to reasoning. Included are definition, syllogistic logic, some modern symbolic logic, informal fallacies, inductive reasoning and scientific method.

20 Normative Ethics

An inquiry focusing on the question "What shall I do?" and dealing with the content and rationale of the general normative proposals made by egoists, utilitarians, etc., as to how to decide. Normally, a special topic such as legal punishment, human rights, or social justice is examined. Readings in philosophical classics and contemporary books and articles. *Open to Freshmen. Prerequisite: Philosophy 10.*

28 Epistemology

An inquiry, carried on primarily by discussions and short papers, into contemporary philosophical problems and theories about knowing, perceiving, truth, and meaning. The nature of philosophy is also considered. To be taken by majors in their sophomore year. *Prerequisites: Philosophy 10, and the consent of the department.*

30-31 History of Philosophy

A philosophical study of the history of Western philosophy. The primary concern is to understand the fundamental thoughts of the great philosophers, including Plato, Aristotle, St. Thomas Aquinas, Descartes, the British empiricists, Kant, and more recent thinkers. A second concern is to see these thoughts as essential parts of our Western intellectual traditions. Central to the course are readings in philosophical classics. *Not open to Freshmen and Sophomores. Prerequisite: Philosophy 10. (30 is a prerequisite for 31, except upon consent of the department.)*

34 Philosophy of Science

A consideration of philosophically important conceptual problems related primarily to the methodology of science, including such topics as the nature of scientific laws and theories, the character of explanation, the import of prediction, the existence of "non-observable" theoretical entities such as electrons, genes, or phlogiston, the problem of justifying induction, the conventionality of physical geometry, and various puzzles associated with the theory of probability. *Prerequisite: Philosophy 10, or Junior or Senior major in Biology, Chemistry, Economics, Physics, Political Science, Psychology, or Sociology.*

36 Symbolic Logic

A study of modern symbolic logic, including truth-functional logic, the logic of propositional functions, and deductive systems. Attention is also given to various topics in the philosophy of formal science.

40, 41 Political Philosophy

An exposition of the course of major political ideas and doctrines throughout history, an appraisal of their influence, and an analysis of their applicability to contemporary political issues. *Not open to Freshmen or Sophomores: Cross-listed as Political Science 40, 41.*

42 Philosophy of History

An examination of the concept of history, dealing with the logic of historical inquiry and with speculative treatments of the course of history as a whole. The primary purpose is to provide a philosophical analysis of the descriptive language and explanatory reasoning of historians. In addition, some attention will be paid to the values and limitations of speculative and general interpretations of history, e.g., Hegel and Marx. *Offered in alternate years; prerequisite: Philosophy 10, or Junior or Senior major in history.*

43 Philosophy of Religion

A study of religion from the standpoint of philosophy, with special emphasis on the nature of man, the problem of good-and-evil, and the philosophical bases for belief in God and in immortality. *Prerequisite: Philosophy 10, or Junior or Senior major in religion.*

48 Metaphysics

A study of the meaning of reality and the leading philosophical world-views, such as naturalism, realism, and idealism, with the aim of developing a better perspective for the understanding of life. *Not open to Freshmen. Prerequisite: Philosophy 10 and at least sophomore standing.*

PHYSICAL EDUCATION

Associate Professor: Busey (*Chairman*)

Assistant Professors: Burch, Miller, Vargo, Whitehill

Instructors: Bateman, Phillips

I Physical Education (Men)

Basic instruction in skills, knowledge, and appreciation of sports that include swimming, softball, tennis, bowling, volleyball, archery, track, soccer wrestling, physical fitness, and golf. The second year of physical education consists of advanced instruction in the sports, emphasizing their great potential as recreational and leisure time interests in post-college life.

Four semesters of physical education (two hours per week) are required.

A regulation uniform, consisting of a Lycoming College blue and gold reversible tee shirt, navy blue shorts, and a navy blue sweat suit, along with basketball-type rubber-soled shoes, are required for all class work in physical education. This uniform may be secured at the college gymnasium at a cost of \$4.15. A deposit of \$2.00 is required for a lock and towel, which will be refunded at the end of the year when these articles have been returned.

2 Physical Education (Women)

Basic instruction in fundamentals of swimming, tennis, badminton, bowling, volleyball, field hockey, free exercise, modern dance, and elementary games (for elementary teachers). Swimming and dance are required of all students. The other activities are selected by the student. A reasonable degree of proficiency in the activities of her choice is required.

Four semesters of physical education (two hours per week) are required.

A regulation two-piece uniform consisting of a white blouse and blue Jamaica shorts, along with a tennis-type, rubber-soled shoe, is required for all class work in physical education. A black leotard is required for dance (this may be brought from home if already owned). The uniform and leotard may be secured in the physical education office at a cost of approximately \$11.00. Each student should bring her own bathing suit and cap. A deposit of \$2.00 is required for a lock and towel, which will be refunded at the end of the year when these articles have been returned.

PHYSICS

Professor: Fineman (*Chairman*)

Associate Professor: W. Smith

Assistant Professors: Jamison, Kim

The major in physics must complete a minimum of six units beyond the introductory physics courses including 22, 23, 32, 33, 34 and 44 as well as the non-credit Junior and Senior Physics Laboratories. All junior and senior physics majors are required to attend and to participate in the weekly physics colloquia.

The physics majors take Mathematics 10-11, 20, 21 and it is suggested that they take more mathematics. To round out the physics major's undergraduate science program, he should take at least one year of chemistry. Students planning to enter graduate school will find it advisable to have a reading knowledge of a foreign language and to know Fortran programming.

1-2 Elements of Physics

A non-calculus introductory course in which mechanics, heat, sound, electricity and magnetism, and optics are presented. Some recent developments in physics will also be presented. Three lectures, one recitation and one laboratory session per week. *Prerequisite: Mathematics 1 or equivalent.*

10-11 General Physics

An introductory course in physics for science and engineering students, in which the basic concepts of mechanics, thermodynamics, electricity, magnetism and light are presented using calculus. Three lectures, one recitation and one laboratory session per week. *Corequisite: Mathematics 10-11 or Mathematics 3.*

22 Electronics

This course is designed for physics, pre-engineers, and other science majors. Its purpose is to introduce the basic principles of electronics and electronic circuits so that the student will understand the operation of modern experimental equipment. Vacuum tubes and transistors and their associated circuits will be studied. Three hours lecture and two two-hour laboratories. *Prerequisite: Physics 11. Corequisite: Mathematics 20 or consent of instructor.*

23 Modern Physics

The following basic concepts of Modern Physics are examined: special relativity; interaction of radiation and matter, the wave-particle duality and the fundamental ideas of quantum mechanics; atomic structure; x-ray spectra; nuclear models and nuclear structure, radioactivity, nuclear reactions; molecular and solid state physics. This course is the foundation for a systematic study of quantum mechanics. Three hours lecture and one four-hour laboratory per week. *Prerequisite: Physics 11 or consent of the instructor.*

31 Optics and Waves

Following a short presentation of geometrical optics, wave motion, interference; Fresnel and Fraunhofer diffraction, gratings; the velocity of light, Michelson-Morley experiment; absorption and scattering, polarization of light will be covered. Three hours lecture and one laboratory session. *Prerequisite: Physics 11 or consent of the instructor.*

32 Electricity and Magnetism

The course will cover the electrostatic field, electric potential, magnetic field and the electrical and magnetic properties of matter. Maxwell's equations are presented as an economical way of describing the electromagnetic field. Four hours lecture and recitation and one three-hour laboratory. *Prerequisite: Physics 22 and Mathematics 21 or consent of the instructor.*

33 Mechanics

Study of the motions of single particles, systems of particles, and rigid bodies. Topics include: simple harmonic oscillator, central forces and planetary motions, collisions and center-of-mass coordinates, rotational motion, flexible cables, gravitation, moving coordinate systems, and Coriolis force. Three lectures and one recitation. *Prerequisite: Physics 11, Mathematics 21 or consent of the instructor.*

34 Thermal Physics

The laws of thermodynamics and their applications to some physico-chemical, electric and magnetic problems are presented. The properties of bulk matter will also be treated from a microscopic viewpoint; i.e., the kinetic theory of gases and statistical mechanics. A comparison of Maxwell-Boltzmann, Fermi-Dirac and Bose-Einstein statistics is made. Three hours lecture and one laboratory session. *Prerequisite: Physics 11 and Mathematics 21 or consent of the instructor.*

43 Theoretical Electromagnetism

Not offered 1969-70.

44 Introduction to Quantum Mechanics I

Origin, concepts and formulation of Quantum Mechanics. Uncertainty principle and Schrodinger equation. Potential barrier and potential wells, Central forces and angular momentum: Harmonic oscillator. The hydrogen atom, and spherically symmetric problems. *Three hours lecture and one hour recitation. Prerequisite: Physics 23, 32, 33, Mathematics 21 or consent of the instructor.*

45 Introduction to Quantum Mechanics II

General formulation of Quantum Mechanics. Time-independent perturbation theory, Stark and Zeeman effects. Time-dependent perturbation theory, interaction with radiation. Multiple particle systems and Pauli exclusion principle. *Three hours lecture and one hour recitation. Prerequisite: Physics 44. Not offered 1969-70.*

46 Mathematical Physics

This course will attempt to bridge the gap between pure mathematics and theoretical physics. The mathematical tools of physics will be presented and used to solve classical mechanical, electromagnetic, quantum mechanical and relativistic physics problems. Three hours of lecture. *Prerequisite: Physics 32, 33.*

47 Contemporary Physics

In this course recent developments in physics will be discussed. Such topics as plasma physics, elementary particle physics, high energy physics, astrophysics, upper atmosphere physics, atomic and molecular and solid state physics may be treated. *Four hours of lecture and recitation. Corequisite: Physics 44 or consent of the instructor. Not offered 1969-70.*

35, 36 Junior Laboratory (No credit)

48, 49 Senior Laboratory (No credit)

Experiments from modern physics, mechanics, optics, thermal physics, and electricity and magnetism are assigned and performed for both laboratory courses. They are chosen to demonstrate the principles involved in these fields and, at the same time, to acquaint the student with some of the newest experimental techniques and instruments. Seniors with approval of the department may arrange to do a research thesis. One lecture and four to six laboratory hours per week.

Physics Colloquia (No credit)

Junior and senior physics majors are required to attend and participate in the weekly physics colloquia.

POLITICAL SCIENCE

Professor: Weidman (*Chairman*)

Instructors: Banks, Knepp

Majors in Political Science are normally expected to complete units 10, 20, 34, and 41, in addition to four other units. Directed programs are arranged for majors concentrating upon specialized areas of Political Science.

10 The Government of the United States: National

An introduction to the principles, structure, functions, and operations of the national government, with special reference to expansions to meet the problems of a modern society.

11 The Government of the United States: State and Local

An examination of the general principles, major problems, and political processes of the states and their subdivisions, together with their role in a federal type of government.

20 Comparative Government

Western European political systems. A comparative analysis of the governments of Great Britain, the Soviet Union and other selected Western European political systems.

21 Comparative Government

Political development. A comparative analysis of selected developing political systems with special emphasis in the areas of comparative theory and methodology.

22 Political Parties and Interest Groups

An examination of the history, organization, functions, and methods of American political parties. Attention devoted to the role of organized interest groups in the political process.

23 The American Presidency

A study of the office and powers of the President with an analysis of his major roles as chief administrator, legislative leader, political leader, initiator of foreign policies, commander-in-chief, and head of state. Especial attention given to those Presidents who led the nation boldly.

30, 31 The American Constitution

A presentation of the origins and development of the Constitution, their dominant roles in the government of the United States, and the social forces and dynamic needs which have molded the growth of fundamental law.

32 Municipal Government

An inquiry into the dynamics of municipal government, its legal status and administration and present-day experiments in the solution of the problems of metropolitan societies.

33 Public Administration

A systematic description, analysis, and evaluation of the institutional foundations of the American system of public administration, with special attention to structure, personnel, and control.

34 World Politics

An introduction to the theory and practice of international relations in the twentieth century. Foundations of world order: origin and present trends in the international system; analysis of variables governing the relations between states.

36 The Government and Politics of the Soviet Union

The study of the theory and practice of the political system in the Soviet Union emphasizing the ideological heritage, the functioning of the system, and the particular problems of a one-party state. *Offered in alternate years.*

37 The Foreign Policy of the Soviet Union

The study of the growth of Soviet involvement in world affairs including the introduction of Soviet political institutions to Eastern Europe and Asia, the ideological basis of Soviet foreign policy, and the conduct and formation of Soviet foreign policy. *Offered in alternate years.*

38 Comparative Foreign Policies

An introductory examination of the formulation, conduct and substance of the foreign policies of representative states in the international system.

40, 41 Political Philosophy

An exposition of the course of major political ideas and doctrines throughout history, an appraisal of their influence, and an analysis of their applicability to contemporary political issues. *Cross-listed as Philosophy 40, 41.*

43 International Organization

An examination of the structure and function of the League of Nations and particularly the United Nations with emphasis on activities related to the maintenance of international peace and security.

46 Theory of International Relations

An analysis of representative theories of the international system with an examination of research techniques and approaches to the study of international politics. *Prerequisite: Consent of the instructor.*

PSYCHOLOGY

Assistant Professors: Loomis (*Chairman*) Craig, Hancock, Hurr, Kessler
Instructor: Ross

A major consists of Mathematics 5, Psychology 10, 11, 20, 21, 22 and 3 courses chosen from those numbered 30 and above. The distribution requirement in the Social Sciences can be met by combining Psychology 10 with Psychology 11, 15, 16, 17, 31 or 32.

In addition to the departmental requirements, majors are urged to include in their program courses in Animal Physiology and Sociology and the Mathematics option of the distribution requirement.

10-11 Introductory Psychology

An introduction to the empirical study of human and other animal behavior. Areas considered may include learning, personality, social physiological, sensory, cognition and developmental. *Prerequisite for Psychology 11: Statistics-Mathematics 5.*

20 Sensory Experimental Psychology

The examination of psychophysical methodology and basic neurophysiological methods as they are applied to the understanding of sensory processes. *Prerequisite: Psychology 11.*

21 Learning Experimental Psychology

Learning processes. The examination of the basic methods and principles of animal and human learning. *Prerequisite: Psychology 11.*

22 Developmental Psychology

A study of the basic principles of early human growth and development. *Prerequisite: Psychology 10.*

23 Social Psychology

An examination of behavior in social contexts including motivation, perception, group processes and leadership, attitudes, and methods of research. *Prerequisite: Psychology 11.*

24 Educational Psychology

An introduction to the empirical study of the teaching-learning process. Areas considered may include educational objectives, pupil and teacher characteristics, concept learning, problem solving and creativity, attitudes and values, motivation, retention and transfer, and evaluation and measurement. *Prerequisite: Psychology 10, Mathematics 5.*

30 History and Systems of Psychology

The growth of scientific psychology and the theories and systems that have accompanied its development. *Prerequisite: 4 courses in Psychology.*

31 Personality Psychology

Theories of personality. A comparison of different theoretical views on the development and functioning of personality. Examined in detail are three general viewpoints of personality: psychoanalytic, stimulus-response (behavioristic), and phenomenological. *Prerequisite: Psychology 11.*

32 Physiological Psychology

A study of the nervous system as the physiological basis of behavior. *Prerequisite: Psychology 20 or Biology 20.*

33 Abnormal Psychology

An introduction to the patterns of deviant behavior with emphasis on cause, function, and treatment. The various models for the conceptualization of abnormal behavior are critically examined. *Prerequisite: Psychology 10.*

34 Adolescent Psychology

The study areas will include theories of adolescence; current issues raised *by* as well as *about* the "generation of youth"; research findings bearing on theories and issues of growth beyond childhood; and self-exploration. *Prerequisite: Psychology 10.*

37 Cognition

An investigation of human mental processes along the two major dimensions of directed and undirected thought. Topic areas include recognition, attention, conceptualization, problem-solving, fantasy, language, dreaming and creativity. *Prerequisite: Psychology 11.*

40 Industrial Psychology

The application of the principles and methods of psychology to selected business and industrial situations. *Prerequisite: Psychology 10.*

41 Principles of Measurement

Psychometric method and theory, including scale transformation, norms, standardization, validation procedures and estimation of reliability. *Prerequisite: Psychology 10, Mathematics 5.*

43 Advanced Experimental Design

Consideration of a variety of designs currently used in psychology with emphasis on the appropriate statistical analyses. *Prerequisite: Psychology 20 and 21.*

70-71 Practicum in Psychology

A student-defined course which provides the opportunity to gain direct experience in a field of applied psychology. Possibilities include a supervised program in administering and interpreting selected psychological tests, working with the mentally retarded, or working with emotionally distressed individuals and families. Specifics are worked out between the student and the course supervisor.

RELIGION

Associate Professors: Guerra (*Chairman*), Cole, Rhodes

Assistant Professors: Mojzes, Neuffer, Urbrock

Majors in religion are first required to take courses 10, 13, and 14, and then *five* other unit courses from those listed below. The five optional courses are to be selected on the basis of the student's vocational interest and in consultation with his advisor. Majors who complete the second year of Greek (Greek 11 and 12) may count those two units toward the fulfillment of their five-unit requirement. Students electing the Religion option must take Religion 10 and one other Religion course. This will normally be either Religion 13 or 14, but with the consent of the instructor the student may enroll in other Religion courses.

10 Perspectives on Religion

An exploration of religious responses to ultimate problems of human existence. Through discussion of selections by Protestant, Catholic, Jewish, and humanist writers, students are encouraged to grapple with such questions as the nature and language of religion, the existence and knowledge of God, the inter-play of religion and culture, and the religious analysis of the human predicament. Freshman sections will be limited to 15 students.

13 The Religion of Israel in the Old Testament

A survey of the origins, historical development, and distinctive thought of Hebrew-Jewish religion and culture as these are reflected in the literature of the Old Testament.

14 Primitive Christianity in the New Testament

An investigation of the origins, major theological themes, and historical evolution of Christianity through study of the literature of the New Testament.

20, 21 History of Christian Thought

An inquiry into the changing images of God and man in Western culture, as these have been influenced by the Christian tradition. The first semester will deal with the leading men and motifs from St. Paul through the Reformation and up to the Eighteenth century Deism. The second semester will begin with the attempts of Schleiermacher and Hegel to re-integrate religion and culture, tracing the subsequent progress through Tillich, the Niebuhrs, and present "radical theology."

30 Prophetic Religion in the Bible

The first part of the course consists of a study of the prophetic movement in Israel. The second part is a study of the "prophetic spirit" as found in the teachings of Jesus, the letters of Paul, and other portions of the New Testament. The course will focus on theological meaning rather than on literary and historical criticism.

31 Christian Ethics

Five types of theological ethics in the Christian tradition will be examined with intensive study of a contemporary representative of each including: Barth, Tillich, Maritain, Brunner, and Reinhold Niebuhr. Particular attention will be given to the theological presuppositions of each system and to the methodological application of the ethic to such problems as the sexual revolution, the racial revolution, poverty and war.

40 Religions of the World

A survey of the religious beliefs and practices of mankind through the historical study of the major religions, including the primitive, ancient, and modern religions, such as Hinduism, Buddhism, Jainism, Sikhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Judaism, and Islam. Investigations will be made into the origins, nature, and development of religions and religious phenomena on a global basis.

41 Contemporary Religious Problems

A study of the theological significance of some contemporary intellectual developments in western culture. The content of this course will vary from year to year. Subjects studied in recent years include the following:

- (a) The theological significance of Freud, Marx, and Nietzsche.
- (b) Christianity and existentialism.
- (c) Theology and depth psychology.
- (d) The religious dimension of contemporary literature.

42 The Nature and Mission of the Church

A study of the nature of the church and its mission in contemporary society including an analysis of the role of the church and an examination of ways of renewal.

43 The Educational Ministry of the Church

A study of religious education as a function of the church with special attention given to the nature and objectives of Christian education, methods of teaching religion, and the relations between faith and learning.

44 Church History

A survey of the history of the Christian Church from its beginning to the present studied in relation to the general historical situation of each period. Attention is given to the forces shaping the basic features of the churches. The major emphasis will be on the institutional development, the mission of the Church, and the lives of its great leaders.

SOCIOLOGY AND ANTHROPOLOGY

Professors: McCrary (*Chairman*), Mook

Instructor: Crook

Students majoring in Sociology and Anthropology will normally complete courses 10, 14, 31, 44, and four other courses (excluding Sociology 20 and Math. 5).

Prerequisites for non-majors: normally each unit course constitutes the prerequisite for the one which follows. Exceptions require the permission of the instructor. Students using Sociology to meet the social science requirements for graduation must schedule courses 10, and either 14 or 20.

10 Introduction to Sociology

An introduction to the problems, concepts, and methods in sociology today, including analysis of stratification, organization of groups and institutions, social movements, and deviants in social structure.

14 Introduction to Anthropology

Prehistoric and primitive peoples and cultures; primitive customs and institutions compared with those of modern man.

20 Marriage and the Family

The history, structure, and functions of modern American family life, emphasizing dating, courtship, factors in marital adjustment, and the changing status of family members. Not to be counted toward a departmental major.

22 Folk Society

Comparative study of several folk societies, with emphasis upon the Pennsylvania Amish; folk culture contrasted with urban-industrial civilization.

23 Social Psychology (cross reference with Psychology 23)

24 Rural and Urban Communities

The concept of community is treated as it operates and affects individual and group behavior in rural, suburban, and urban settings. Emphasis is placed upon characteristic institutions and problems of modern city life.

26 Social Movements

An analysis of the dynamics, structure, and reaction to social movements with focus on contemporary social movements.

30 Criminology

The nature, genesis, and organization of criminal behavior are examined from both group and individual viewpoints. Juvenile delinquency and the treatment of crime are presented.

31 Research Methods in Sociology

Study of the research process in sociology, including formation of research design (theory, methodology, and techniques), and practical application in the investigation of a research problem.

33 Sociology of Religion

An examination of the major theories of the relationship of religion to society, and a survey of sociological studies of religious behavior.

34 Racial and Cultural Minorities

A study of the adjustments of minority racial, cultural, and national groups in modern America. Attention is also given to minority problems within their world setting.

35 Cultural Anthropology

Primitive and peasant economy, society, government, religion, and art, the social and cultural backgrounds of personality development.

37 Anthropology of North America

Ethnographic survey of native North American Eskimo and Indian cultures, with attention to changes in native lifeways due to European contacts.

41 Social Stratification

An analysis of the nature of stratification systems, with special reference to American social structure.

43 Deviant Behavior

An inquiry into the various types of deviant behavior, that will vary each semester, covering such topics as: alcoholism, mental illness, gambling, and narcotics.

44 Social Theory

The history of the development of sociological thought from its earliest philosophical beginnings is treated through discussions and reports. Emphasis is placed upon sociological thought since the time of Comte.

45 Ethnological Theory

Theories concerning man and his culture, with emphasis on interpretations since 1850. (For seniors only).

THEATRE

Assistant Professor: Davis (*Chairman*)

Instructor: Dartt

The major consists of eight unit courses in theatre and must be supported by course work in the related disciplines of English, social science, music and/or art.

The Fine Arts requirement may be satisfied by selecting any two of Theatre 10, 11, or 12.

1 Fundamentals of Speech

The development of the elementary principles of simple oral communication through lectures, prepared assignments in speaking and informal class exercises.

10 Introduction to Acting

An introductory study of the actor's preparation, with emphasis on developing the actor's creative imagination through improvisations and scene study.

11 Introduction to Scene Design and Stagecraft

An introduction to the Theatre with an emphasis on stagecraft. The productions each semester serve as the laboratory to provide the practical experience necessary to understanding the material presented in the classroom.

12 Introduction to Directing

An introductory study of the function of the director in preparation, rehearsal and performance. Emphasis is placed on developing the student's ability to analyze scripts and on the development of the student's imagination.

20 History of the Theatre I

A detailed study of the development of theatre from the Greeks to the early realistic period. *Offered in the fall semester. Prerequisite: two units of theatre.*

21 History of the Theatre II

The history of the theatre from 1860. *Offered in the spring semester. Prerequisite: two units of theatre.*

31 Advanced Techniques of Play Production

A detailed consideration of the interrelated problems and techniques of play analysis, production styles and design. *Offered summer only.*

32 Intermediate Studio: Scene and Lighting Design

The theory of stage and lighting design with special emphasis on their practical application to the theatre. *Prerequisite: successful completion of two units of Introduction to Acting, Directing, or Design.*

33 Intermediate Studio: Acting

Instruction and practice in character analysis and projection, with emphasis on vocal and body techniques. *Prerequisite: successful completion of two units of Introduction to Acting, Directing, or Design.*



34 Intermediate Studio: Directing

Emphasis is placed on the student's ability to function in preparation and rehearsal. Practical experience involves the directing of scenes from contemporary theatre. *Prerequisite: successful completion of two units of Introduction to Acting, Directing or Design.*

41 Advanced Studio: Design

Independent work in conceptual and practical design. The student will design one full production as his major project. *Prerequisite: consent of instructor.*

42 Advanced Studio: Acting

Preparation of monologues and two character scenes. Contemporary and classical. The student will appear in major campus productions. *Prerequisite: consent of instructor.*

43 Advanced Studio: Directing

Emphasis will be placed on the student's ability to produce a major three-act play from the script to the stage for public performance. *Prerequisite: consent of instructor.*

COLLEGE PERSONNEL

Board of Directors

OFFICERS

Fred A. Pennington	<i>President</i>
Arnold A. Phipps, II	<i>Vice-President</i>
Paul G. Gilmore	<i>Secretary</i>
Kenneth E. Himes	<i>Treasurer</i>

HONORARY DIRECTORS

Charles V. Adams	<i>Williamsport</i>
Ernest M. Case	<i>Jersey Shore</i>
Ralph E. Kelchner	<i>Jersey Shore</i>
The Rev. Elvin Clay Myers, D.D.	<i>Mechanicsburg</i>
*Mrs. H. Marshall Stecker	<i>Mt. Carmel</i>
The Rev. L. Elbert Wilson	<i>Orlando, Fla.</i>

DIRECTORS

Term Expires 1970

Elected

1949	Bishop Fred Pierce Corson, D.D., LL.D., HH.D.	<i>Philadelphia</i>
1964	John G. Detwiler	<i>Williamsport</i>
1948	Frank L. Dunham	<i>Wellsboro</i>
1951	Paul G. Gilmore	<i>Williamsport</i>
1964	Hon. Charles F. Greevy	<i>Williamsport</i>
1969	The Rev. Thomas J. Hopkins, D.D.	<i>Williamsport</i>
1964	W. Gibbs McKenney	<i>Baltimore, Md.</i>
1958	Fred A. Pennington	<i>Mechanicsburg</i>
1967	T. Sherman Stanford, D.Ed.	<i>State College</i> <i>(Alumni Representative)</i>
1961	The Rev. Wallace F. Stettler	<i>Kingston</i>

* Deceased July 22, 1969.

*Term Expires 1971**Elected*

1965	The Rev. Nelson H. Frank, D.D.	State College
1966	*S. Dale Furst, Jr.	Williamsport
1968	Robert W. Griggs (Alumni Representative)	Williamsport
1967	The Rev. Grantas E. Hoopert	Williamsport
1965	James G. Law	Bloomsburg
1965	Hon. Herman T. Schneebeli	Williamsport
1965	Harold J. Stroehmann, Jr.	Williamsport
1961	Nathan W. Stuart	Williamsport
1958	W. Russell Zacharias	Allentown

*Term Expires 1972**Elected*

1969	Richard R. Cramer, D.D.S. (Alumni Representative)	Hershey
1969	Samuel H. Evert	Bloomsburg
1969	The Rev. Newton H. Fritchley, Ph.D.	Carlisle
1965	Walter J. Heim	Montoursville
1969	Kenneth E. Himes	Williamsport
1968	Bishop Hermann W. Kaebnick, D.D., L.H.D., LL.D.	Harrisburg
1941	Arnold A. Phipps, II	Williamsport
1969	Mrs. Donald G. Remley	Williamsport
1936	George L. Stearns, II	Williamsport
1967	The Rev. Donald H. Treese	Altoona

* Deceased July 9, 1969.

EXECUTIVE COMMITTEE

Walter J. Heim, *Chairman*

John G. Detwiler	Bishop Hermann W. Kaebnick
Frank L. Dunham	Arnold A. Phipps, II
Samuel H. Evert	George L. Stearns, II
Paul G. Gilmore	Harold J. Stroehmann, Jr.
Hon. Charles F. Greevy	Nathan W. Stuart
The Rev. Grantas E. Hoopert	W. Russell Zacharias

Administrative Staff

- Harold H. Hutson (1969) *President*
 B.A., LL.D., Wofford College; B.D., Duke University; PH.D., University of Chicago;
 L.H.D., Ohio Wesleyan
- John A. Radspinner (1957) *Acting Dean of the College*
 B.S., University of Richmond; M.S., Virginia Polytechnic Institute; D.Sc., Carnegie-
 Mellon Institute
- Kenneth E. Himes (1948) *Treasurer and Business Manager*
 B.S., Drexel Institute of Technology; C.S.B., Rutgers University
- Oliver E. Harris (1956) *Director of Development*
 A.B., M.S., The Pennsylvania State University
- R. Andrew Lady (1957) *Assistant to the President*
 A.B., Lycoming College; M.S., D.Ed., The Pennsylvania State University
- Jack C. Buckle (1957) *Dean of Student Services*
 A.B., Juniata College; M.S., Syracuse University
- Harold W. Hayden (1965) *Librarian*
 A.B., Nebraska State Teachers College; B.S., University of Illinois; M.A. in L.S., Uni-
 versity of Michigan
- Frank J. Kamus (1963) *Director of Admissions*
 B.S., Lock Haven State College
- Robert J. Glunk (1965) *Registrar*
 A.B., Lycoming College; M.A., The Pennsylvania State University
- Helen M. Felix (1948) *Dean of Women*
 B.S., East Stroudsburg State College
- David G. Busey (1954) *Director of Physical Education and Athletics*
 B.S., M.S., University of Illinois
- William L. Baker (1965) *Director of Student Aid*
 B.S., Lycoming College
- Dale V. Bower (1968) *Director of Alumni Affairs*
 B.S., Lycoming College; B.D., United Theological Seminary
- Bruce L. Swanger (1968) *Director of Public Relations*
 A.B., Bucknell University
- Joseph P. Laver, Jr. (1969) *Director of Publications*
 A.B., University of Pennsylvania; M.S., University of Bridgeport
- L. Paul Neuffer (1960) *Director of Religious Activities*
 A.B., Dickinson College; S.T.B., S.T.M., Boston University
- Robert O. Patterson (1964) *Assistant Dean of Men*
 B.A., M.Ed., The Pennsylvania State University
- Edward K. McCormick (1967) *Assistant Dean of Men*
 B.S., Bloomsburg State College; M.Ed., University of Pittsburgh; M.Ed. (Counseling),
 University of Pittsburgh
- R. Stephen Hockley (1966) *Admissions Counselor*
 A.B., Lycoming College
- Alan G. Cohick (1968) *Admissions Counselor*
 A.B., Lycoming College

Faculty

EMERITI

- Joseph D. Babcock *Professor of Physics Emeritus*
A.B., Dickinson College; M.A., Bucknell University
- Mabel K. Bauer *Professor of Chemistry Emeritus*
B.S., Cornell University; M.S., University of Pennsylvania
- Arnold J. Currier *Professor of Chemistry Emeritus*
A.B., Colgate University; M.S., The Pennsylvania State University; PH.D., Cornell University
- LeRoy F. Derr *Professor of Education Emeritus*
A.B., Ursinus College; M.A., Bucknell University; ED.D., University of Pittsburgh
- George W. Howe *Professor of Geology Emeritus*
A.B., M.S., Syracuse University; PH.D., Cornell University
- Donald G. Remley *Assistant Professor of Mathematics and
Physics Emeritus*
A.B., Dickinson College; M.A., Columbia University
- Eric V. Sandin *Professor of English Emeritus*
B.S., Wesleyan University; M.A., Columbia University; PH.D., University of Illinois
- George S. Shortess *Professor of Biology Emeritus*
A.B., Johns Hopkins University; M.A., Columbia University; PH.D., Johns Hopkins University
- James W. Sterling *Associate Professor of English Emeritus*
A.B., A.M., Syracuse University; LITT.D., Lycoming College

PROFESSORS

- Robert H. Byington (1960) *Professor of English*
A.B., University of Pennsylvania; M.A., Lehigh University; PH.D., University of Pennsylvania
- Robert H. Ewing (1947) *Professor of History
and Assistant Mace Bearer*
A.B., College of Wooster; M.A., University of Michigan
- Morton A. Fineman (1966) *Professor of Physics*
A.B., Indiana University; PH.D., University of Pittsburgh
- Eloise Gompf (1960) *Professor of History*
A.B., Western College; A.M., PH.D., Indiana University
- John P. Graham (1939) *Professor of English
and Marshal of the College*
PH.B., Dickinson College; M.ED., The Pennsylvania State University
- Harold W. Hayden (1965) *Librarian with rank of Professor*
A.B., Nebraska State Teachers College; B.S., University of Illinois; M.A. in L.S., University of Michigan
- Eric H. Kadler (1960) *Professor of French*
Graduation Diploma, University of Prague; M.A., PH.D., University of Michigan

- Jack S. McCrary (1969) *Professor of Sociology and Anthropology*
B.A., M.A., Southern Methodist University; PH.D., Washington University
- °°Walter G. McIver (1946) *Professor of Voice*
MUS.B., Westminster Choir College; A.B., Bucknell University; M.A., New York University
- Maurice A. Mook (1969) *Professor of Sociology and Anthropology*
B.A., Allegheny College; M.A., Northwestern University; PH.D., University of Pennsylvania
- Loring B. Priest (1949) *Professor of History*
LITT.B., Rutgers University; M.A., PH.D., Harvard University
- Robert W. Rabold (1955) *Professor of Economics*
B.A., The Pennsylvania State University; M.A., PH.D., University of Pittsburgh
- John A. Radspinner (1957) *Professor of Chemistry and
Acting Dean of the College*
B.S., University of Richmond; M.S., Virginia Polytechnic Institute; D.SC., Carnegie-Mellon University
- Frances Knights Skeath (1947) *Professor of Mathematics*
A.B., M.A., Bucknell University; D.ED., The Pennsylvania State University
- John A. Stuart (1958) *Professor of English*
B.A., William Jewell College; M.A., PH.D., Northwestern University
- Helen Breese Weidman (1944) *Professor of Political Science*
A.B., M.A., Bucknell University; PH.D., Syracuse University

ASSOCIATE PROFESSORS

- David G. Busey (1954) *Associate Professor of Physical Education
and Director of Physical Education and Athletics*
B.S., M.S., University of Illinois
- Jack K. Campbell (1967) *Associate Professor of Education*
A.B., Cornell College; M.A., University of Illinois; ED.D., Columbia University
- John W. Chandler (1952) *Associate Professor of Art*
A.B., St. Anselm's College; M.ED., Boston University
- J. Preston Cole (1965) *Associate Professor of Religion*
B.S., Northwestern; B.D., Garrett Seminary; PH.D., Drew University
- W. Arthur Faus (1951) *Associate Professor of Philosophy*
A.B., Dickinson College; S.T.B., PH.D., Boston University
- Bernard P. Flam (1963) *Associate Professor of Spanish*
A.B., New York University; M.A., Harvard University; PH.D., University of Wisconsin
- David H. Frederick (1961) *Associate Professor of Chemistry*
A.B., Utica College of Syracuse University; PH.D., Cornell University
- Phil G. Gillette (1929) *Associate Professor of Spanish
and Mace Bearer*
A.B., Ohio University; M.A., Columbia University

°° On leave second semester 1969-70

- Eduardo Guerra (1960) *Associate Professor of Religion*
B.D., Southern Methodist University; S.T.M., TH.D., Union Theological Seminary
- John G. Hollenback (1952) *Associate Professor of Business Administration*
B.S., M.B.A., University of Pennsylvania and *Assistant Marshal of the College*
- James K. Hummer (1962) *Associate Professor of Chemistry*
B.N.S., Tufts University; M.S., Middlebury College; PH.D., University of North Carolina
- Alden G. Kelley (1966) *Associate Professor of Biology*
B.S., M.S., Iowa State University; PH.D., Purdue University
- Robert J. B. Maples (1969) *Associate Professor of French*
A.B., M.A., University of Rochester; PH.D., Yale University
- Allen L. Morehart (1968) *Associate Professor of Biology*
A.B., Lycoming College; M.S., PH.D., University of Delaware
- Glen E. Morgan (1961) *Associate Professor of Music*
B.M., M.M., PH.D., Indiana University
- Neale H. Mucklow (1957) *Associate Professor of Philosophy*
A.B., Hamilton College; PH.D., Cornell University
- O. Thompson Rhodes (1961) *Associate Professor of Religion*
B.S., University of Cincinnati; B.D., PH.D., Drew University
- * Logan A. Richmond (1954) *Associate Professor of Accounting*
B.S., Lycoming College; M.B.A., New York University; C.P.A. (Pennsylvania)
- Mary Landon Russell (1936) *Associate Professor of Music*
MUS.B., Susquehanna University Conservatory of Music; M.A., The Pennsylvania State University
- James W. Sheaffer (1949) *Associate Professor of Music*
B.S., Indiana University of Pennsylvania; M.S., University of Pennsylvania
- Willy Smith (1966) *Associate Professor of Physics*
B.S.E., The University of the Republic (Uruguay); M.S.E., PH.D., University of Michigan
- Donald C. Wall (1963) *Associate Professor of English*
A.B., Syracuse University; M.A., PH.D., Florida State University
- John J. Zimmerman (1962) *Associate Professor of Education*
B.S., Mansfield State College; M.S., Montclair State College; D.ED., The Pennsylvania State University

ASSISTANT PROFESSORS

- Robert B. Angstadt (1967) *Assistant Professor of Biology*
B.S., Ursinus College; M.S., PH.D., Cornell University
- Myrna A. Barnes (1959) *Circulation Librarian with rank of Assistant Professor*
A.B., University of California at Los Angeles; M.S. in L.S., Drexel Institute of Technology
- Francis L. Bayer (1967) *Assistant Professor of English*
B.A., St. Mary's College; B.S., M.A., Bowling Green State University

•• On leave second semester 1969-70

- Sylvester Ray Brost (1965) *Assistant Professor of German*
B.S., University of Wisconsin; M.A., Middlebury College
- Clarence W. Burch (1962) *Assistant Professor of Physical Education*
B.S., M.ED., University of Pittsburgh
- Kathleen Chandler (1965) *Cataloging Librarian with rank of Assistant Professor*
B.S., M.A., Columbia University
- John H. Conrad (1959) *Assistant Professor of Education*
B.S., Mansfield State College; M.A., New York University
- Richard H. Craig (1967) *Assistant Professor of Psychology*
A.B., University of California (Berkeley); M.A., McGill University
- David F. Davis (1969) *Assistant Professor of Theatre*
B.S., Frostburg State College; M.A., University of Maryland; PH.D., Wayne State University
- Richard W. Feldmann (1965) *Assistant Professor of Mathematics*
A.B., M.A., University of Buffalo
- F. Catharine Fisher (1968) *Assistant Cataloger with rank of Assistant Professor*
B.A., Susquehanna University
- ***Eleanor Radcliffe Garner (1957) *Assistant Professor of English*
A.B., A.M., George Washington University
- Charles L. Getchell (1967) *Assistant Professor of Mathematics*
B.S., University of Massachusetts; M.A., Harvard University
- Anthony L. Grillo (1969) *Assistant Librarian in Charge of Public Services with rank of Assistant Professor*
B.S., The Pennsylvania State University; M.S. in L.S., Villanova University
- John G. Hancock (1967) *Assistant Professor of Psychology*
B.S., M.S., Bucknell University
- **Allen J. Harder (1968) *Assistant Professor of Philosophy*
B.S., Wheaton College; M.A., Indiana University
- Thomas J. Henninger (1966) *Assistant Professor of Mathematics*
B.S., Wake Forest College; M.A., University of Kansas
- Owen F. Herring, III (1965) *Assistant Professor of Philosophy*
B.A., Wake Forest College
- Lawrence F. Hurr (1969) *Assistant Professor of Psychology*
A.B., Lycoming College; M.A., McGill University
- **M. Raymond Jamison (1962) *Assistant Professor of Physics and Chemistry*
B.S., Ursinus College; M.S., Bucknell University
- Emily R. Jensen (1969) *Assistant Professor of English*
B.A., Jamestown College; M.A., University of Denver
- Delores Kay Kessler (1969) *Assistant Professor of Psychology*
B.A., Wayne State University; M.A., University of Arizona
- ***Timothy Killeen (1965) *Assistant Professor of Mathematics*
B.S., Wagner College; M.S., Rutgers University

** On leave second semester 1969-70

*** On leave 1969-70

- Moo Ung Kim (1968) *Assistant Professor of Physics*
B.A., Hanover College; M.S., PH.D., Indiana University
- Elizabeth H. King (1958) *Assistant Professor of Business Administration*
B.S., Geneva College; M.ED., The Pennsylvania State University
- David J. Loomis (1967) *Assistant Professor of Psychology*
A.B., Lycoming College; M.S., Bucknell University; PH.D., Syracuse University
- Gertrude B. Madden (1958) *Assistant Professor of English*
A.B., University of Pennsylvania; M.A., Bucknell University
- Howard T. Mancing (1966) *Assistant Professor of Spanish*
A.B., Geneva College
- James J. McAuley (1968) *Assistant Professor of English*
B.A., University College, Dublin; M.F.A., University of Arkansas
- Donna K. Miller (1960) *Assistant Professor of Physical Education*
B.S., Lock Haven State College; M.ED., The Pennsylvania State University
- Paul B. Mojzes (1964) *Assistant Professor of Religion*
A.B., Florida Southern College; PH.D., Boston University
- L. Paul Neuffer (1960) *Assistant Professor of Religion and Director of Religious Activities*
A.B., Dickinson College; S.T.B., S.T.M., Boston University
- *** Roger W. Opdahl (1963) *Assistant Professor of Economics*
A.B., Hofstra College; M.A., Columbia University
- John F. Piper, Jr. (1969) *Assistant Professor of History*
A.B., Lafayette College; B.D., Yale; PH.D., Duke University
- William E. Rogers (1965) *Assistant Professor of Biology*
B.S., Dickinson College; M.S., The Pennsylvania State University; PH.D., University of Minnesota
- Louise R. Schaeffer (1962) *Assistant Professor of Education*
A.B., Lycoming College; M.A., Bucknell University
- Robert C. Schultz (1969) *Assistant Professor of Philosophy*
A.B., Gettysburg College; M.A., PH.D., Emory University
- K. Bruce Sherbine (1969) *Assistant Professor of Biology*
A.B., Gettysburg College; M.S., Temple University; PH.D., The Pennsylvania State University
- Andrew B. Turner (1969) *Assistant Professor of Chemistry*
A.B., Franklin and Marshall College; M.S., Bucknell University; PH.D., University of Virginia
- William J. Urbrock (1969) *Assistant Professor of Religion*
B.A., Concordia Senior College; B.D., Concordia Theology Seminary
- *** Sally F. Vargo (1953) *Assistant Professor of Physical Education*
B.S., The Pennsylvania State University; M.S., Bucknell University
- Budd F. Whitehill (1957) *Assistant Professor of Physical Education*
B.S., Lock Haven State College; M.ED., The Pennsylvania State University
- Leo K. Winston (1964) *Assistant Professor of Russian*
B.A., Sir George Williams University; M.A., Université de Montréal

INSTRUCTORS

- Max E. Ameigh (1969) *Instructor in Art*
 B.S., Lycoming College; M.ED., The Pennsylvania State University
- Thomas A. Banks (1969) *Instructor in Political Science*
 A.B., Lycoming College; M.A., Lehigh University
- Carole A. Bateman (1968) *Instructor in Physical Education*
 B.S., Slippery Rock State College
- Robert J. Crook (1968) *Instructor in Sociology and Anthropology*
 B.A., Muskingum College; M.A., Kent State University
- Gary Dartt (1969) *Instructor in Theatre*
 B.S., Augustana College
- Warren L. Fisher (1969) *Instructor in Economics*
 B.A., Lycoming College; M.A., University of Connecticut
- Wenrick H. Green (1968) *Instructor in Biology*
 A.B., Lycoming College; M.S., The Pennsylvania State University
- William F. Huber (1969) *Instructor in Accounting*
 B.S., The Pennsylvania State University
- Dennis Knepp (1969) *Instructor in Political Science*
 A.B., Lycoming College; M.A., University of West Virginia
- Robert L. Lambert (1969) *Instructor in Mathematics*
 A.B., Lycoming College; M.A., Bucknell University
- Robert H. Larson (1969) *Instructor in History*
 B.A., The Citadel; M.A., University of Virginia
- Ray A. Mundy (1969) *Instructor in Business Administration*
 B.A., M.B.A., Bowling Green State University
- *Nelson Phillips (1959) *Instructor in Physical Education*
 B.S., Springfield College
- **Lee B. Ross (1967) *Instructor in Psychology*
 B.A., M.A., DePauw University
- Kenneth R. Sausman (1969) *Instructor in Mathematics*
 A.B., Susquehanna University; M.S., Miami University, Ohio
- Roger D. Shipley (1967) *Instructor in Art*
 B.A., Otterbein College; M.F.A., Cranbrook Academy of Art
- Edward A. Sweeney (1968) *Instructor in Business Administration*
 B.A., Hobart College; M.B.A., University of Pennsylvania

LECTURER

- Don L. Larrabee (1945) *Lecturer in Law*
 A.B., Allegheny College; Graduate Division of the Wharton School; Law School of the University of Pennsylvania
- Siegfried Rennert (1969) *Lecturer in German*
 Graduate Diploma, Jena University (Germany)

* On leave first semester 1969-70
 ** On leave 1969-70

PART-TIME INSTRUCTORS

Josiah P. Alford	<i>Mathematics</i>
B.A., The Principia College; M.A., The George Washington University	
Katherine L. Fetter	<i>Art</i>
B.S., Kutztown State College	
Herbert G. Kane	<i>Business Administration</i>
B.S., Lycoming College	
Bernard Lansberry	<i>Education</i>
B.S., M.ED., The Pennsylvania State University	
Janice Stebbins	<i>Biology</i>
A.B., Lycoming College	
Ann W. Williams	<i>Education</i>
B.S., Marywood College; M.S., The Pennsylvania State University	
Edith L. Wright	<i>History</i>
B.S., Lock Haven State College	

ADMINISTRATIVE ASSISTANTS

Louise Banks	<i>Secretary to the Librarian</i>
Shirlee Barnes	<i>Secretary to the Department of Athletics</i>
Betty Beck	<i>Bookstore Assistant</i>
Emily C. Biichle	<i>Secretary to the Treasurer</i>
Russell Bloodgood	<i>Manager of Food Service</i>
Marguerite Boyle	<i>Head Resident, Forrest Hall</i>
Pauline F. Brungard	<i>Student Loan Coordinator</i>
B.S., Lycoming College	
Shirley Campbell	<i>Assistant in the Treasurer's Office</i>
Della Connolly	<i>Library Assistant</i>
Karen Davenport	<i>Secretary in the Registrar's Office</i>
Helen H. Earnest	<i>Secretary in Student Aid Office</i>
Robert L. Eddinger	<i>Director of Buildings and Grounds</i>
Tillie Elmer	<i>Secretary to Student Personnel Deans</i>
June L. Evans	<i>Secretary in the Education Office</i>
Maxine Everett	<i>Placement Secretary</i>
Naomi Haas	<i>Secretary in the Admissions Office</i>
Helen H. Heller	<i>Secretary for Public Relations and Publications Offices</i>
Evelyn V. Helm	<i>Bookstore Assistant</i>
Gertrude Henry	<i>Supervisor of Housekeeping</i>
Phyllis Holmes	<i>Secretary to the President</i>
Dee Horn	<i>Cashier-Bookkeeper</i>
Judith A. Hrzic	<i>Secretary in the Admissions Office</i>
Naomi Kepner	<i>Secretary to Buildings and Grounds Director</i>

Jane Kiess	<i>Secretary in the Admissions Office</i>
Weltha P. Kline	<i>Secretary to the Dean of the College</i>
Audrey Libby	<i>Library Assistant</i>
Edith Lipfert	<i>Library Assistant</i>
Vivian Meikrantz	<i>Faculty Secretary</i>
Martha Messner	<i>Library Assistant</i>
Patricia Miller	<i>Secretary to the Registrar</i>
Marilyn Mullings	<i>Faculty Secretary</i>
Vivian S. Ogden	<i>Switchboard Operator</i>
Betty Paris	<i>Secretary to the Director of Development</i>
Doris E. Reichenbach	<i>Secretary to the Director of Alumni Affairs</i>
David F. Rich	<i>Coordinator of Computer Services</i>
Leverda E. Rinker	<i>Office Services Coordinator</i>
Marian L. Rubendall	<i>Secretary to the Dean of Student Services</i>
Ruth R. Schultz	<i>Faculty Secretary</i>
Joyce Shannon	<i>Secretary to Coordinator of Computer Services</i>
Lola Spangle	<i>Assistant Head Resident</i>
Catherine Spire	<i>Head Resident, Rich Hall</i>
Dorothy Streeter	<i>Manager of the Bookstore</i>
Betty June Swanger	<i>Accountant and Office Manager</i>
Virginia Van Horn	<i>Library Assistant</i>
Irene Vincent	<i>Library Assistant</i>
June Wagner	<i>Faculty Secretary</i>
Martha Winter	<i>Assistant Head Resident</i>

MEDICAL STAFF

Frederic C. Lechner, M.D.	<i>College Physician</i>
B.S., Franklin and Marshall College; M.D., Jefferson Medical College	
Robert S. Yasui, M.D.	<i>College Surgeon</i>
M.D., Temple University	
Ruth J. Burket, R.N.	<i>College Nurse</i>
Hamot Hospital School of Nursing	
Emaline W. Deibert, R.N.	<i>College Nurse</i>
Williamsport Hospital School of Nursing	
Constance Kyler, R.N.	<i>College Nurse</i>
Harrisburg Polyclinic Hospital School of Nursing	
J. Louise Parkin, R.N.	<i>College Nurse</i>
Geisinger Medical Center School of Nursing	

The Alumni Association

The Alumni Association of Lycoming College has a membership of over six thousand men and women. It is governed by an Executive Board of five officers and twenty-one members nominated and elected by the membership. It elects annually a member to the Board of Directors of the College for a three-year term. The Director of Alumni Affairs directs the activities of the Alumni Office.

The Alumni Association of Lycoming College has two objectives: (1) to promote the interests of the college, and (2) to foster among its members loyalty and devotion to their alma mater. All persons who have successfully completed one year of study at Lycoming College, or Williamsport Dickinson Junior College, and all former students of Williamsport Dickinson Seminary are members of the Association.

The Alumni Office is located on the first floor of Long Hall. Arrangements for Homecoming, Alumni Day, Class Reunions, club meetings and similar activities are coordinated through this office. There are active alumni clubs in Harrisburg, Lehigh Valley, Philadelphia, Pittsburgh, State College, Northern New Jersey, Rochester, Schenectady, Syracuse, Connecticut, Baltimore, and Washington, D. C.

Lycoming College holds Class A, B, and C memberships in the American Alumni Council. Through its Alumni Fund, the Alumni Office is closely associated with the development program of the college.

Acting as the representative of alumni on the campus, and working also with undergraduates, the Alumni Office aids in keeping alumni informed and interested in the program, growth and activities of the college.

Communications to the Alumni Association should be addressed to the Alumni Office.



Honorary Degrees Conferred — 1969

COMMENCEMENT

Percy D. Mitchell, HH.D.	<i>Executive Director of Bethune-Douglass Community Center</i>
Raymond P. Shafer, LL.D.	<i>Governor of Pennsylvania</i>
D. Frederick Wertz, D.D.	<i>Resident Bishop, The West Virginia Conference, The United Methodist Church</i>

Academic Calendar

FALL SEMESTER 1969-70

September	11— <i>Thursday</i>	Freshman Orientation begins
	14— <i>Sunday</i>	Dormitories open
	15— <i>Monday</i>	Registration
	16— <i>Tuesday</i>	Registration
	17— <i>Wednesday</i>	Classes begin 8:00 a.m.
November	25— <i>Tuesday</i>	Thanksgiving recess begins 8:00 p.m.
December	1— <i>Monday</i>	Classes resume 8:00 a.m.
	6— <i>Saturday</i>	Graduate Record Examinations 9:00 a.m.
	13— <i>Saturday</i>	Pre-registration
	19— <i>Friday</i>	Christmas recess begins 5:00 p.m.
January	5— <i>Monday</i>	Classes resume 8:00 a.m.
	10— <i>Saturday</i>	Written Comprehensive Examinations 9:00 a.m.
	16— <i>Friday</i>	Classes end 5:00 p.m.
	20— <i>Tuesday</i>	Exams begin 9:00 a.m.
	24— <i>Saturday</i>	Exams end 4:00 p.m.

SPRING SEMESTER 1969-70

February	1— <i>Sunday</i>	Dormitories open
	2— <i>Monday</i>	Registration
	3— <i>Tuesday</i>	Registration
	4— <i>Wednesday</i>	Classes begin 8:00 a.m.
March	21— <i>Saturday</i>	Graduate Record Examinations 9:00 a.m.
	26— <i>Thursday</i>	Spring recess begins 8:00 p.m.
April	6— <i>Monday</i>	Classes resume 8:00 a.m.
	18— <i>Saturday</i>	Pre-registration
	18— <i>Saturday</i>	Written Comprehensive Examinations 9:00 a.m.
May	22— <i>Friday</i>	Classes end 5:00 p.m.
	26— <i>Tuesday</i>	Exams begin 9:00 a.m.
	30— <i>Saturday</i>	Exams end 4:00 p.m.
June	6— <i>Saturday</i>	Alumni Day
	7— <i>Sunday</i>	Baccalaureate 10:45 a.m.
	7— <i>Sunday</i>	Commencement 3:00 p.m.

SUMMER SESSIONS 1970

FIRST SESSION

June	15— <i>Monday</i>	Registration 8:00 a.m. Classes begin 10:00 a.m.
July	10— <i>Friday</i>	First session ends 12:00 noon

SECOND SESSION

July	13— <i>Monday</i>	Registration 8:00 a.m. Classes begin 10:00 a.m.
August	7— <i>Friday</i>	Second session ends 12:00 noon

FRESHMAN TERM (Optional)

August	10— <i>Monday</i>	11:00 a.m. Freshman Term begins
September	4— <i>Friday</i>	5:00 p.m. Freshman Term ends

FALL SEMESTER 1970-71

September	10— <i>Thursday</i>	Freshman Orientation begins
	13— <i>Sunday</i>	Dormitories open
	14— <i>Monday</i>	Registration
	15— <i>Tuesday</i>	Registration
	16— <i>Wednesday</i>	Classes begin 8:00 a.m.
November	24— <i>Tuesday</i>	Thanksgiving recess begins 8:00 p.m.
	30— <i>Monday</i>	Classes resume 8:00 a.m.
December	5— <i>Saturday</i>	Graduate Record Examinations 9:00 a.m.
	12— <i>Saturday</i>	Pre-registration
	18— <i>Friday</i>	Christmas recess begins 5:00 p.m.
January	4— <i>Monday</i>	Classes resume 8:00 a.m.
	9— <i>Saturday</i>	Written Comprehensive Examinations 9:00 a.m.
	15— <i>Friday</i>	Classes end 5:00 p.m.
	19— <i>Tuesday</i>	Exams begin 9:00 a.m.
	23— <i>Saturday</i>	Exams end 4:00 p.m.

SPRING SEMESTER 1970-71

January	31— <i>Sunday</i>	Dormitories open
February	1— <i>Monday</i>	Registration
	2— <i>Tuesday</i>	Registration
	3— <i>Wednesday</i>	Classes begin 8:00 a.m.
March	20— <i>Saturday</i>	Graduate Record Examinations 9:00 a.m.
	26— <i>Friday</i>	Spring recess begins 5:00 p.m.
April	5— <i>Monday</i>	Classes resume 8:00 a.m.
	9— <i>Friday</i>	No afternoon classes (Good Friday)
	17— <i>Saturday</i>	Pre-registration 9:00 a.m.-1:00 p.m.
	17— <i>Saturday</i>	Written Comprehensive Examinations 9:00 a.m.
May	21— <i>Friday</i>	Classes end 5:00 p.m.
	25— <i>Tuesday</i>	Exams begin 9:00 a.m.
	29— <i>Saturday</i>	Exams end 4:00 p.m.
June	5— <i>Saturday</i>	Alumni Day
	6— <i>Sunday</i>	Baccalaureate 10:45 a.m.
	6— <i>Sunday</i>	Commencement 3:00 p.m.

SUMMER SESSIONS 1971

FIRST SESSION

June	14— <i>Monday</i>	Registration 8:00 a.m. Classes begin 10:00 a.m.
July	9— <i>Friday</i>	First session ends 12:00 noon.

SECOND SESSION

July	12— <i>Monday</i>	Registration 8:00 a.m. Classes begin 10:00 a.m.
August	6— <i>Friday</i>	Second session ends 12:00 noon.

FRESHMAN TERM (Optional)

August	9— <i>Monday</i>	11:00 a.m. Freshman Term begins
September	3— <i>Friday</i>	5:00 p.m. Freshman Term ends

INDEX

	<i>Page</i>		<i>Page</i>
Academic Standing	16	Religion	87
Accounting	57	Russian	72
Accreditation	8	Sociology and Anthropology	89
Administrative Assistants	102	Soviet Area	27, 56
Administrative Staff	95	Spanish	73
Admissions Office	14	Theatre	91
Admissions Policy	11	Cultural Influences	36
Advanced Standing	13	Czech	70
Alumni Association	104	Damage Charges	31
Application Procedure	12	Degree Programs	17
Application Fee	29	Degree Requirements	14
Art	58	Degrees Conferred, Honorary	105
Attendance, Class	16	Dental School, Preparation for	24
Automobiles	52	Departmental Honors	21
Biology	59	Deposit	29
Board of Directors	93	Distribution Requirements	18
Books and Supplies	30	Fine Arts	19
Business Administration	60	Foreign Language or Mathematics	19
Calendar, Academic	106	Freshman English	18
Campus Life	35	History and Social Science	20
Chemistry	62	Natural Science	20
Christian Ministry, Preparation for	27	Religion or Philosophy	19
Clubs and Organizations on Campus	39	Drama, Cooperative Program	25
College Scholar Program	20	Early Decision	12
College Publications	37	Economics	63
Communication with the College	110	Economics and Business	23
Comprehensive Examination	14	Education	65
Conduct	51	Educational Opportunity Grants	32
Counseling, Academic	49	Engineering, Cooperative Program	24
Counseling, Psychological	49	English	67
Courses	55	Evening School	14
Accounting	57	Examination, Comprehensive	14
Art	58	Examination, Graduate Record	106
Biology	59	Expenses	29
Business Administration	60	Facilities	44
Chemistry	62	Faculty	96
College Scholar	20	Fees	29
Czech	70	Financial Aid	32
Economics	63	Folklore Society, Pennsylvania	39
Education	65	Foreign Languages and Literatures	70
English	67	Forestry, Cooperative Program	25
Foreign Languages and Literatures	70	Fraternalities, Social	39
French	70	Alpha Sigma Phi	39
Geology	74	Kappa Delta Rho	39
German	71	Lambda Chi Alpha	39
Greek	72	Sigma Pi	39
History	75	Tau Kappa Epsilon	39
Interdisciplinary	56	Theta Chi	39
Mathematics	76	French	70
Music	78	Geology	74
Philosophy	80	German	71
Physical Education	81	Grading System	15
Physics	82	Graduate Record Examination	106
Political Science	84	Graduation Requirements	14
Psychology	86	Grants-in-Aid	32
		Greek	72

	<i>Page</i>		<i>Page</i>
Health Services	53	Societies, Honor	43
History	75	Blue Key	43
History of the College	6	Gold Key	43
Honor Societies	43	Iruska	44
Honorary Degrees Conferred	105	Omicron Delta Epsilon	43
Honors, Academic	16	Phi Alpha Theta	43
Honors, College	43	Sachem	43
Independent Study	21	Sociology and Anthropology	89
Infirmiry Service	53	Soviet Area Program	27, 56
Insurance	53	Spanish	73
Intercollegiate Sports	48	Special Opportunities	20
Interdisciplinary Courses	56	College Scholar Program	20
Intramural Athletics	48	Departmental Honors	21
Junior Year Abroad	23	Independent Study	21
Law School, Preparation for	25	Junior Year Abroad	23
Loans	33	London Semester	22
Locale	6	Seminar Study	21
London Semester	22	United Nations Semester	22
Major	17	Washington Semester	22
Marriage	52	Special Student	14
Mathematics	76	Standards	14
Medical College, Preparation for	26	Student Activities	35
Medical Staff	103	Student Government	36
Medical Technology	26	Student Publications	37
Ministerial Grants-in-Aid	32	Student Union	37
Music	78	Students, Classification of	16
Private Instruction	79	Summer Session Admission	13
Objectives and Purpose	5	Summer Sessions Calendar	106
Organizations and Clubs on Campus	39	Teacher Education	27
Orientation	48	Theatre	91
Payment of Fees	30	Theological Seminary,	
Payments, Partial	31	Preparation for	27
Philosophy	80	Traditions	8
Physical Education	81	Transfer	13
Physical Examination	53	Unit Course	17
Physics	82	United Nations Semester	22
Placement Services	49	Veterans, Provisions for	50
Political Science	84	Vocational Aims	23
Programs and Rules	48	Cooperative Curriculum	
Psychological Services	49	in Engineering	24
Psychology	86	Cooperative Curriculum	
Publications and Communications	37	in Forestry	25
Purpose and Objectives	5	Cooperative Program in Drama	25
Refunds	31	Economics and Business	23
Regulations	51	Medical Technology	26
Religion	87	Preparation for Dental School	24
Religious Education	26	Preparation for Law School	25
Religious Life	35	Preparation for Medical College	26
Requirements, Academic	11	Preparation for	
Residence	46, 50	Theological Seminary	27
Russian	72	Religion and Religious Education	26
Scholarships	32	Soviet Area Studies Program	27
Selection Process	12	Teacher Education	27
Seminar Study	21	Washington Semester	22
Social and Cultural Influences	36	Withdrawals	31
		Work-Study Grants	33

COMMUNICATION WITH THE COLLEGE

This catalog contains pertinent information about the college, its philosophy, programs, policies, regulations and offerings. All students and prospective students are urged to read it carefully and completely.

Inquiries of a specific nature should be addressed as follows:

DEAN OF THE COLLEGE:

Information about faculty and faculty activities.
Academic work of students in college.

TREASURER:

Payment of college bills.
Inquiries concerning expenses.

DIRECTOR OF DEVELOPMENT:

Gifts or bequests.

DIRECTOR OF ALUMNI AFFAIRS

DIRECTOR OF PUBLIC RELATIONS

DEAN OF STUDENT SERVICES:

Questions or problems concerning students' health.
Residence and campus regulations

REGISTRAR:

Requests for transcripts.
Notices of withdrawal.

DIRECTOR OF ADMISSIONS:

Admission to the freshman class.
Admission with advanced standing.
Re-entry of students to Lycoming College.
Requests for catalogs.

PLACEMENT OFFICE:

Opportunities for self-help.
Employment while in college.
Employment upon graduation.

DIRECTOR OF STUDENT AID:

Scholarships and loan funds for students in college.
Financial assistance for entering students.

Address: LYCOMING COLLEGE, Williamsport, Pennsylvania 17701

Telephone Information: Local Calls 326-1951

DDD 717 plus 326-1951





AAA Mileage from Lycoming College to:

Akron	290
Albany	268
Allentown	122
Altoona	95
Baltimore	163
Binghamton	126
Buffalo	200
Clarksburg	300
Cleveland	296
Elmira	75
Erie	235
Harrisburg	90
New York City	205
Philadelphia	182
Pittsburgh	200
Rochester	167
Scranton	88
Syracuse	163
Utica	216
Washington	200
Wilkes-Barre	68
Wilmington	174

